

Knitted Outerwear Times



the official publication of the
national knitted outerwear association
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murray hill 3-7520

sweaters • swim suits • infantswear • knit fabrics • polo shirts • gloves • headwear



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Vol. 29

MONDAY, JULY 18, 1960

No. 29

N. Y. Sweater Queen Contest To Be Held Today

Miss New York Sweater Queen will be selected today in the Knitted Outerwear Foundation's 14th Annual Sweater Queen contest, announced Edward A. Brandwein, NKOA administrative secretary.

Leading photographers and fashion editors will choose among approximately 30 entrants age 16-26 who will display their charms at a beauty pageant at Rockway Playland.

The winner who will be eligible for entry in the national contest in January will receive a \$100 government bond and a wardrobe of sweaters; a \$25 bond and a sweater wardrobe will be awarded to the runner-up. Other prizes will be presented to those winning the next four places.

Expect 1,000 Spectators

It is expected that over 1,000 spectators will view the sweater-clad contestants.

The contest for selecting the New Jersey Sweater Queen will be announced shortly, according to Mr. Brandwein. It is expected to be held in August at the Palisades Amusement Park. Arrangements are being contemplated for a Pennsylvania contest in Dorney Park, Allentown.

Advertisements heralding the Foundation's 15th annual Sweater Week have appeared in the July issues of *Earnshaw's* and *Infant's and Children's Review* and others are planned for future issues of the *Daily News Record*, *Women's Wear*, *Stores*,

the official organ of the National Retail Merchant's Association, in Men's Wear and elsewhere.

Sweater Kit Requests Received By Foundation

Sweater merchandising kits, currently being prepared by the Knitted Outerwear Foundation, have been requested by over 2,000 merchants according to Edward A. Brandwein, administrative secretary.

All members who receive direct requests for these kits are asked to forward them to the Foundation.

Swim Trunk Bids Planned

PHILADELPHIA, Pa.—The Military Clothing and Textile Supply Agency, Quartermaster Depot, here, will open bids on July 27th at 1 p.m. under QM-14 for 84,000 pairs of cotton knit swim trunks. The delivery schedule is January to April, 1961.

Bathing Suit Queen To Be Crowned Wed.

The National Bathing Suit Queen will be crowned on Wednesday July 20 in the National Knitted Outerwear Association's annual contest held in the Louis XVI Room of the Waldorf Astoria at 10 a.m.

Newspaper men and women and photographers will choose among the 12 finalists who were chosen from more than 200 entrants.

Contestants will wear a variety of swim suit styles. Judging will be on the basis of beauty and figure appeal.

Official Data On Japanese Sweater Quota Given To NKOA By State Dept.

Additional information on the Japanese sweater quota was furnished by the Japanese Government to the United States Department of State in response to inquiries presented on behalf of the National Knitted Outerwear Association, it was made known by Sidney S. Korzenik, Association executive director and counsel, last week. Among the items of information elicited by the American Embassy in Tokyo at the Association's request was the fact that the Japanese quota, originally set at 260,000 dozen sweaters for shipment to both the United States and Canada during the year 1958, continued in effect in 1959 "plus an increase of less than 10%."

According to the official report sent by the State Department to the Association, "this increase was approved after the Japanese Government had concluded the United States demand for wool sweaters was expanding. The Embassy was not able to obtain more precise figures covering the program for 1959. It appears that the 1960 quota figure is the same as that for 1959, but we are verifying this." Mr. Korzenik added, however, that further inquiries through official channels were apparently ignored and brought no further response from the Japanese Government.

Not Made Public Before

The inquiries prepared by the Association and presented to the Japanese Government through the United States Embassy in Tokyo had been hitherto not made public, Mr. Korzenik explained, until the Japanese authorities could be accorded a full opportunity to reply. In view of the fact, however, that no further supplementation of the data first made available is likely to be forthcoming, the information obtained was now released.

Some of the information sup-

plied appeared to be at variance with the impressions based on reports in the trade press, that had previously prevailed in the American market.

The Japanese Ministry of International Trade and Industry was reported, for example, as having previously indicated that its published monthly figures on sweater exports to the United States included both those made of wool and those made of other animal fibers and blends, whereas the quota was intended to apply only to sweaters of wool. This had been suggested in explanation of the fact that whereas MITI insisted that it was still adhering to the announced quota of 260,000 dozen annually to both the United States and Canada, the announced statistics showed exports of 276,000 dozen for the first ten months of 1959 alone under the classification of "sweaters of wool, and other animal fibers." It was assumed on this basis that the quota applied only to sweaters made of wool, and not to blends.

But the United States Embassy in Tokyo has reported to the Association that "the quota applies to sweaters, knitted or of

(Continued on Page 57)

SPECIAL ISSUE: Preview of New Swimwear Fabric Lines

The Accent is on Surface Interest!

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Woven Elasticized Swimwear

Surface Interest Treatments Dominate '61 Offerings

By MARCIA SMITH

Surface interest created with textured effects and novelty yarns appears to be the cornerstone of the 1961 woven elasticized fabric structure.

Colors from the brighter areas of the spectrum have been utilized in prints, stripes, plaids, checks and gingham. A muted but not dark effect is also popular.

The tropical forest has been abandoned for brighter hot-house-like florals while art galleries have been an inspirational source for many geometric and abstract designs. Much ingenuity has been used to vary the old check, stripe, plaid and gingham standbys. The last group is an especially strong one this year, forming the basis of many variations on its simple theme both singly and as a base cloth.

Spandex fabrics are starting to appear but most manufacturers are waiting further improvements in the yarn or its production in commercial quantities before using it in their cloths. Generally, however, plans for the near future include some production of fabrics with these yarns.

Ansonia Mills, Inc.

Fabric texture at Ansonia is shifting from the Jacquards to surface interest created through novelty weaves.

Bright colors predominate; even olive can no longer be called drab.

Matelasse fabrics on a double weave pattern are a recent innovation in two tones and solids of camel, beige, black, coral, yellow and blue. Mock matelasse is produced in a variety of patterns of which a corded effect is outstanding. These lightweight fabrics with their brocaded effect are reminiscent of dress fabrics.

Textured checks vie with more boldly patterned checks in rejuvenating this staple pattern. Single colors and two toned effects are used while colored ground sometimes offsets a white check. An embroidered, cross stitched look or a check pattern gives another cloth a knitted, almost tweedy appearance.

The tweed look of a different fabric group is available in deeper shades of olive, gold and blue and in lighter pastels and white for printing purposes.

Allowing a white backing to grin through a heavy tweed surface gives a float effect.

The white textured look is strong for both printing and single use. A diamond pattern whose lines raise themselves with wear is especially popular.

Off-staples produced in a 3:1 ratio as well as the standard pick and pick are a feature of the Ansonia line. Lightweight fabrics and a variety of surface weaves such as duck make this group outstanding. The demands of a slight trend back to jacquards have been fulfilled with the development of larger jacquards and the continuation of other similar patterns, especially a lace effect. Wider spacing in these patterns also varies the basic design.

Novelty fabrics are sold under the trade name Fabulistic.

Spandex yarns are utilized in the production of basics and of a single novelty fabric.

Beaunit Mills, Inc.

Stripes, plaids and geometric designs keynote the Beaunit collection for 1961.

The muted color effects which seem popular are achieved by subtle contrasts of the minor tones in the stripe patterns or by sharp contrasts muted against a chromspun black ground. Soft bright shades are further enlightened by a white warp while interesting effects are achieved by allowing a white or black ground to grin through the surface color.

Red is a prominent color both singly and as a small contrasting stripe in unlikely color combinations.

Textured effects produced with novelty yarns, both singly and in multi-color and tonal combinations, have been utilized in a variety of designs. Simulated knits, a corduroy boucle, dobby effects, raised geometric figures, corded effects and the use of nub and slub yarns are among the most striking.

A beaded fabric, available in black rose, aqua or orange, is produced in varied geometric patterns among which a zig-zag effect is most eye-catching.

Gold mylar has been emphasized in pin stripes, interwoven with a colored yarn and as a contrast for a striped pattern.

On a chromspun warp of many colors the super-imposition of a solid or multi-colored boucle results in unusual and subtle contrasts.

Although the spandex yarns are not being utilized as yet, a thin elastic fabric is being produced to simulate spandex softness.

Fab-Tex, Inc.

An imaginative and artistic use of novelty designs and patterns and a return to the lighter ice cream shades make this year's Fab-Tex line especially exciting and colorful.

Spandex fabrics in various types of constructions are waiting further development for their practical application in production.

Batistes, failles, satins, prints and solids form the standard groupings in the basics collection. A note of variety will be added by the development of three new cloths with surface interest appeal.

A pique cloth whose knitted appearance is combined with the fuller control of a woven fabric offers the advantage of exceptionally clear printing. A stipple effect is only one of several outstanding patterns created on this cloth.

The dotted effect of another fabric offers an opportunity for unusual and interesting combinations of patterns and colors.

The horizontal rib effect of the Ottoman weave has been utilized to great advantage.

Fab-Tex produces its imaginative novelty collection through its subsidiary, Novelty Elastic Fabric Company. Fancy weaves and yarns in the ice cream shades of lilac, pistachios, powder blue, pink, coral, beige and gold contribute to the variety of this line. Floral prints continue strong but are seen to be moving from the tropical to richer, less florid prints. So-called warped prints have an

interesting, impressionistic effect while a later stage of artistic evolution is seen in the brush stroke like effects of another fabric which resembles a modern canvas.

Unique among this series of checks, stripes, petit points, and petit point stripes are the clip fabrics produced on rubber. The variety of designs which has been created range from solid shades to patterned clips of contrasting fabric on a white background.

Gingham designs have been released from their flat effect with surface interest created through petit point weave. Varying the size of checks or the patterns created also enhance this style. Gingham balls, for example, have been produced in a range of colors on a white background. Large petit point gingham in new colors ranges are a further interest.

Couture fabrics produced for a more expensive line utilize other effects, including an embroidered look, novelty boucle and looped fabrics.

Hyman Fabrics, Inc.

Printed elastics are especially strong for Hyman this season. Cotton warps especially batiste and acetate warp satins predominate.

Border patterns are a new and popular innovation. White space increases towards the center of the cloth or the solid pattern may run through the center itself.


Florals are popular but tend to move from the heavily torrid tropical prints to brighter shades in large dimensions. Multicolors rather than monotonous are finding greatest acceptance.

Printed knits of cotton and rubber are in high demand.

Colorwise, willow, a shade of bright olive, is strong with a concurrent tendency towards the plum or reddish cast of purples. Combinations of browns are popular but red and blue combinations, staples for so many seasons, have lost their hold.

In plain fabrics, a satin twill of Vyrene and dull sharkskin cloths are sampling well. Generally, however, few surface in-

(Continued on Page 11)

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Woven Swimwear Fabrics

Border Designs, Stripes, Plaids Achieve Knit Look

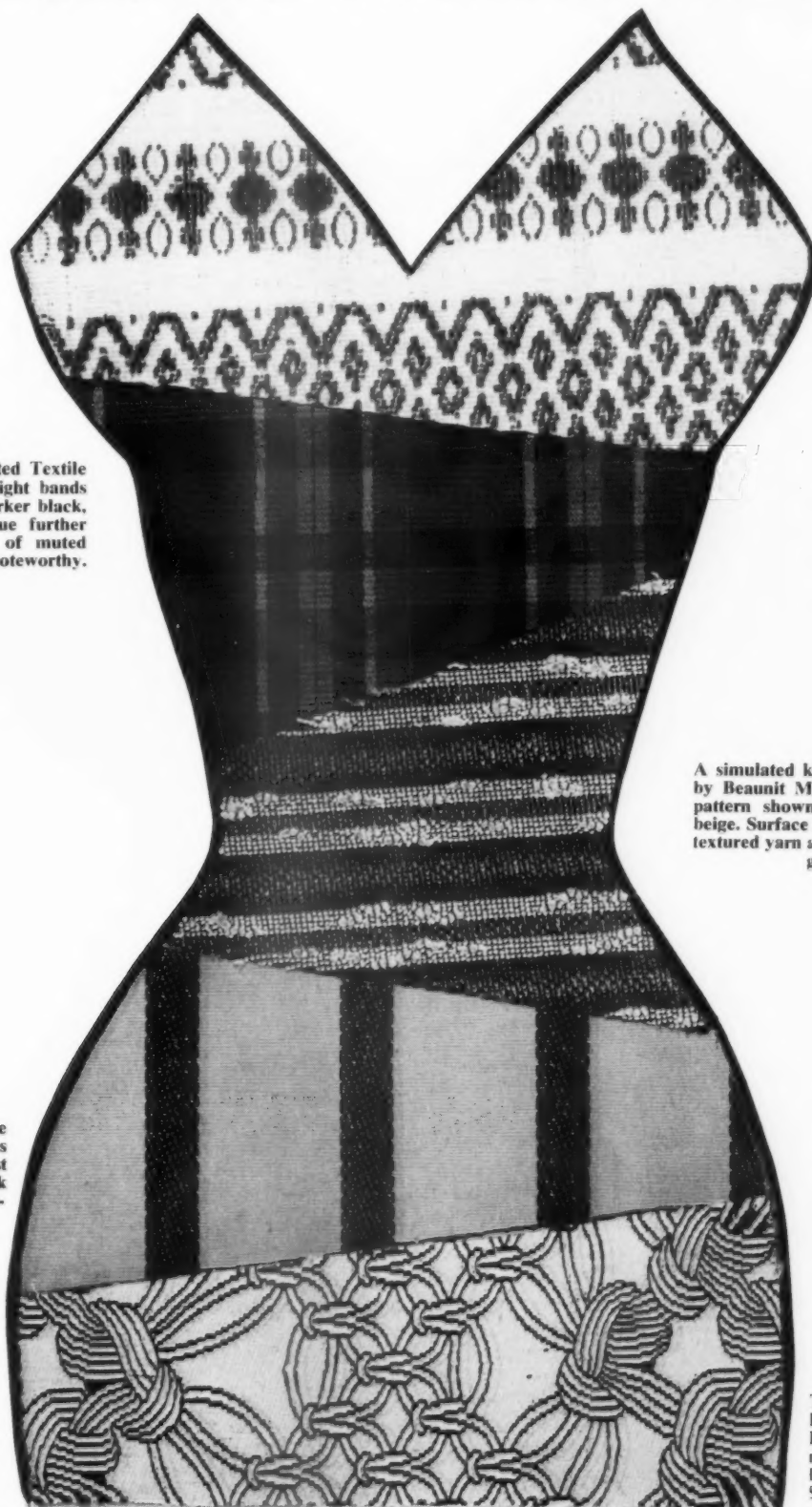
A many colored plaid by United Textile Company is highlighted by bright bands of yellow and sombered by darker black, with some dull green and blue further toning down the final effect of muted brightness. Clear colors are noteworthy.

A wide banded vertical stripe by Rayflex Fabrics, Inc. features a plain yellow ground against which smaller stripes of black metallic fiber give a shimmering silvery appearance.

Ansonia Mills, Inc. features a petit point embroidered effect in a border design of alternating widths. A simulated knit look is achieved in various colors.

A simulated knit look and feel is offered by Beaunit Mills, Inc. in a cross striped pattern shown here in blue, white and beige. Surface interest is achieved through textured yarn and the black backing which grins through.

This interesting pattern is a Rosenstein Brothers feature. Interlocking stitches in diamond shaped groupings look like widely spaced mesh. Shown here in black against a gray background.



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Woven Elasticized Fabrics

Novelty Fabrics For '61 Offer Varied Pattern Choice

H. Warshow and Sons has produced an interesting textured weave. Geometric shapes of bright orange and green give a shiny appearance emphasized by the black ground which backs the cloth.

Clip fabrics patterned against a solid rubber backing are one outstanding feature of the Fab-Tex, Inc. line. Shown is one of several effects possible with this creation. White or colored backgrounds are available.

Hyman Fabrics Co. offers a tulip border print with many colored flowers against a white background. Brown leaves and yellow, green and grey flowers make an unusual garden assortment.



A children's "hep cat" pattern features boxes of cat figures shown in catlike activities with appropriate sayings written in black. Actions range from "Catnip" (drinking) to "Cat Walk," to "Catty." Available in pink or blue from Malibu Fabrics.

A geometric petit point by S.M.S. Sales Co., Inc. is part of a border print available in a multi-color design of flower baskets. Rose, raspberry, green and blue are colorful against a white background.

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Surface Interest Effects Dominate Woven Elasticized Swimwear Fabric

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terest fabrics are being shown on this line.

A possibility of future development is seen for a lightweight woven helanca fabric.

Malibu Fabrics, Inc.

Prints and knits stand out in the Malibu fabric line.

Families of aqua and lilac are newly prominent while blue greens continue in strength. Yellow-orange and fuchsia combinations are interesting. Generally the trend is away from conventional to secondary but clean colors.

Moving away from florals, prints turn to modified geometric patterns in dark colors. The fabric is well covered but with some white background. Overlays and color blending which give the effect of many more colors than utilized in manufacture are popular.

The knit collection is highlighted by body length stripes which can be produced in any variation of size and colors. Helanca knits are assuming greater importance.

Base cloths utilize combinations of brights and dulls. Allowing black stitching threads to show through gives a third dimension to patterns.

Malibu has made several outstanding contributions to the novelty line. A hep cat pattern produced in blue and pink for children's suits features cat figures and appropriate sayings. Gingham patterns are varied by use of a dot effect in the cloth and by screen printing on regular gingham in various patterns. Stripes, plaids and checks in various sizes and a multitude of colors are still shown in shades which are generally muted and darker. A knit effect produced on woven cloth comes in a Scottish plaid of blues, reds and blacks while another fabric weaves alternate stripes of color in an overlay pattern to allow variations in size to break up its regularity.

Textured fabrics are headed by a wood grain effect in a low priced cloth.

Spandex fabrics have not been used as yet.

Rayflex Fabrics, Inc.

Prints form the main line of

Rayflex' development for 1961. Outstanding designers and European influence will figure strongly in the production of a comprehensive line of prints on wide woven, all cotton fibers.

A trend away from florals has been discerned; geometric abstractions, Persian effects, multicolor all-over prints which have an impressionistic look, enlarged paisleys, and leopard skin designs form the bulk of this group.

Gold is a prominent color for this season. Generally lighter, brighter shades are being produced with tones more muted; pastels are popular.

Fancies give way to prints in production emphasis; a limited number of specialty novelties have been woven on a confined basis. Mylar has been utilized in various cloths.

Plain cloths for printing are available in all cotton, solid rubber and pick and pick weaves.

Although samples of a cloth which utilizes a spandex yarn have been produced, no yardage will be available until 1962.

Rosenstein Brothers

Jacquards lead the Rosenstein parade of fabrics for 1961 in colors which are generally a variation of this season's predominant shades.

Brilliant yet muted tones of black, blue, turquoise, white, brown, red and pink are most popular.

Among the numerous effects produced on the Jacquard looms are the waffle-like cloths which appear in solid shades; a brocade fabric in which the ground blues or corals grin through a white background to reveal a silver shading; a multiplicity of stripe patterns woven on jacquarded cloths; and a knit effect produced in a black and white design of interlocking stitches. Chromspun colors and tone on tone combinations are outstanding.

Pin stripes are holding their own in the novelty class while the standard stripes, gingham and little checks continue in strength in several patterns.

The flannel effect of a napped cloth appears in stripes and checks as well as in a print cloth.

The latter simulates velvet with over-all figures, and huge florals on generally dark backgrounds.

Basic gingham are varied in two tone patterns and with raised effects on the cloth.

Shantung cloth in solid colors will continue as a standard item.

A cotton face print cloth and several novelty fabrics will utilize the Spandex fibers.

S.M.S. Sales Co., Inc.

A rainbow's worth of colors in guaranteed fade-proof shades brightens S.M.S. fabric scene this year.

Print cloths utilize big floral designs in open patterns which employ much white ground. A petit point flower basket design formed of rectangular figures, and many flag prints exemplify this type. Colors run the gamut from bright red and pink combinations to bright but sober browns and golds.

Plain goods are available both in 44 inch and 48 inch pick and pick solid and satins. Clear, soft and clean colors in a multiple of shades make these cloths interesting in their solidness.

Fancies generally employ darker colors eliminating white ground in their designs. The colorful effect which is ultimately desired is achieved by grouping many-colored stripes on a dark ground or by unusual and bold color combinations in big checks. Novelty weaves produce raised stripes with a metallic effect. The ombré plaids woven by these methods have double utility in their reversibility. Staple plaids are varied by an iridescent effect achieved by subtle and barely noticeable color contrasts. Gingham checks and regimental stripes both in warp and in filling complete this group.

Vyrene cloths which are soft, lightweight and extremely resistant to stretching are available in satin cloths in harlequin and batique prints. A print leno cloth has the added attraction of being quick drying.

United Textile Co.

Textured effects in a somewhat bright color range lighten the new line of Lastex fabrics at United.

Interesting and exciting results have been achieved through the use of new weaves. While conventional pick and pick and all rubber batiste, smooth basics

form a staple portion of this collection there is an exciting glimpse of future advancement to be seen. A wide range of raised, snubby and simulated embroidery surface textures is produced with these recently developed methods.

Soft shades of violet, mauve, lavender, olive drab, blues and browns will contribute to the muted configuration of the color picture. However, a definite tendency to move back to sparkling, cheerful shades of reds and orange and other conventional brights is noted.

Among the most exciting in this collection is the Lastex fabric which achieves a knit feel through its weave. Wide stripes of red and blue shades brighten the effect while an almost hidden cross stripe series lightens the black ground to a brownish color. These quasi-invisible cross stripes appear only when the fabric is stretched but contribute to the unusual general effect of the material's coloring.

In another striped pattern an iridescent look is achieved through the subtle use of blues.

Fancies achieve their variety by combining the textured qualities of these new weaving processes in a colorful group of bright fabrics.

Variations on the theme of gingham play an important part. Conventional plain gingham cloths alternate with a newly developed double color check which is within the price range of the standard check. A crepe finished cloth of checked design utilizes gingham patterning in alternating squares. Shadow stripes further vary this single theme. Blues, blacks, pinks, browns, olives and lavenders are combined in a multiple of sizes and colors. A cloth with non-pull slubs is a recent development in this gingham collection.

An embroidered effect has been achieved on backgrounds which vary from plain to striped to gingham checked. Bright reds, yellows, blues and lavender predominate. A corduroy weave effect is utilized in patterns centering around colored ribbed stripes on a plain background.

On another cloth a pile texture gives a poodle cloth effect with relatively widely spaced

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Knitted Swimwear Fabrics

Multitude Of Design Variations Brighten New '61 Lines

The knitted swimwear fabric picture for the 1961 season is a bright one. Dominant hues cannot be limited by any single color grouping.

Florals, geometric patterns, abstractions and stripes head the parade of design variations while the staple mono-colored fabric still holds its own.

Fabric content directs its attention towards the production of surface interest through jacquard effects. Exciting new developments along this line utilize varied combinations of Orlon, rubber, cotton and Helanca.

Knits-to-fit-body and one-size-to-fit-all are achieving prominent places in designer thinking, offering manifold possibilities of future developments along these lines.

Fabrics are lighter, softer, and more malleable than ever while the increasingly wide variety of patterns produced offers seemingly boundless horizons in design potential. Increased swim suit life and comfort herald the start of a period of knitted fabric prominence.

Armtext, Inc.

The florals, geometrics and modern abstract designs, important in the Armtext line, are offered in a wide range of colors with red, blue, green and gold predominant.

Stripes, emphasized in the cotton and rubber group, are available in multi-color combinations in various widths. A good item is a medium stripe with a coordinate solid in aqua, royal and red.

Other patterns include a herringbone, tile, butterfly, pine needle, and tapestry. Popular colors in these patterns are black, blue, green, pink, red and gold. For children there is an interesting mouse and daisy pattern. A lattice pattern, in green, has surface texture interest.

A two-way 100 percent stretch nylon fabric is important in the Armtext line. A wide range of plains and prints are included in this collection. Florals are shown in purple and green on a gold base, and a leaf pattern in blue on a white base is important.

In the 100 percent regular stretch nylon group, a Japanese garden design is shown with considerable surface interest. An

important color combination is blue on white.

Veltex, consisting of Helanca, cotton and rubber, has a velvet textured feel. It is available in single or two tone colors in the following design: cable stitch, diamond pattern, checkerboard, and stripe.

Beaunit Mills, Inc.

An extensive line of knitted swimwear fabric is available from Beaunit Mills, whose collection includes fabrics in various combinations of Ban-Lon, Helanca, Orlon, cotton and Chromspun. All contain rubber yarn.

There is a strong trend towards fabrics for use in shape-to-fit garments for both men's and women's swimwear. Plain and novelty fabrics are offered in a plain midriff, plain top or bottom with figured midriff, figured top or bottom with plain midriff, or in other combinations based on the midriff theme.

The range of patterns is quite broad and may be had in any of the compositions. For example, stripes are offered in horizontal and vertical settings of various widths. A diagonal stripe of stylized geometric snowflakes is important, as are stripes in two-, three- and four tones, or multi-color effects.

All-over effects feature a contemporary abstract in a hound's tooth check pattern in black on a white ground. Florals are important, with abstract designs of rosebuds and leaves as examples. Important, too, is a geometric pattern based on the herringbone theme.

Many of the fabrics offer surface textures in boucle and rib effects. A grenadine stitch construction often serves as the basis for stripes, florals and other designs.

The colors of the Beaunit collection are in variations of the basics, with offshade blue, red and green particularly strong. The line features many exotic

effects in plaids and florals.

Sidney Davis Co., Inc.

The range of patterns in the Orlon, cotton and Lastex group of the Sidney Davis line is quite extensive. Geometric designs, in dark and light colors, are offered with floral designs in vivid, clear colors.

A new item is boucle nylon yarn and Lastex, backed with cotton. These constituents give the cloth a frosty-face surface interest without bulkiness. It is the firm's new approach to a lightweight plain goods fabric. Still in its early stages, the fabric is available in only a few basic colors.

Fabric of Orlon, cotton and Lastex show a vividness of color in solids and two-color ideas. Blue, green, fusia and hot pink are spotlighted.

A pattern of contemporary tulip design in a wide color range is of interest. Also available is an abstract daisy design in about 18 combinations of color, including blue-green, hot red, orange, gold, and mauve to purple.

Stretch nylon and Lastex is another double faced fabric which is being offered. As in the Orlon and cotton group, the colors are clear and vivid with important combinations being made from hot orange with purple, sea green with royal, green with white, and vicuna with white. Patterns include plaid (checkerboard), paisley, and galaxy.

Sidney Davis also offers fabric of cotton and Lastex, available in a provincial rose and a pinwheel design. In the pinwheel pattern, black with red and black with gold are doing well.

The cotton and Lastex group includes a puckered matelasse in an all-over design. Colors are black, red, white and turquoise. A novel note in the cotton group is fabric with Lurex added to the pattern to give a jewel tone effect.

Edmos Products Corp.

The Edmos collection includes fabric of Orlon and rubber, cotton and rubber, and Helanca with and without rubber

which are produced in a broad range of patterns, blister effects, solids, checks, textured fabrics, florals, and vertical and horizontal stripes in all widths.

An outstanding fabric is a 100 percent Helanca. A check pattern is being emphasized in a combination of black, red and white. In addition to the basic black, red, royal and turquoise, there is a strong demand for helio and grape.

In the Helanca group, plaid is also an important pattern. A successful color combination is hot pink and brown, with olive and white over plaid.

Abstract white figures on a royal base is a popular number in the Helanca, cotton and rubber fabric group. This design is also available in combinations of black, royal, red, turquoise and helio.

A blister fabric in Helanca, cotton and rubber is doing well. This fabric is offered in helio and turquoise, with all white, all black, and royal and skymist blue proving popular.

A jacquard effect fabric is obtained with a cloth of Helanca, Celaperm, cotton and rubber. It is offered in gold and turquoise, black and white, black and royal, and many other color combinations.

Of particular interest is an exquisitely textured Helanca, cotton and rubber number. It is offered in various size stripes and solids.

In addition to its line, the firm is offering trim fabrics to coordinate with all styles.

Fair-Tex Mills, Inc.

An extensive collection of knitted swimwear fabrics, in various fiber combinations, is available from Fair-Tex Mills. The collection is offered for men's, women's, children's and teens' wear.

Important is the cotton and rubber group. A school of fish design in blue on white ground is popular with the younger set. A flying butterfly pattern in two tones of green, black and white, and other combinations, is of particular interest for the ladies, as is an acorn pattern in various

(Continued on Page 19)



another significant technical advance — from Keystone, of course!



Swimwear

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For Helanca, Ban-Lon, Tycora, and other stretch synthetic fabrics, Keystone's quality process means swimwear-fastness, greater elasticity, and sag-free recovery!

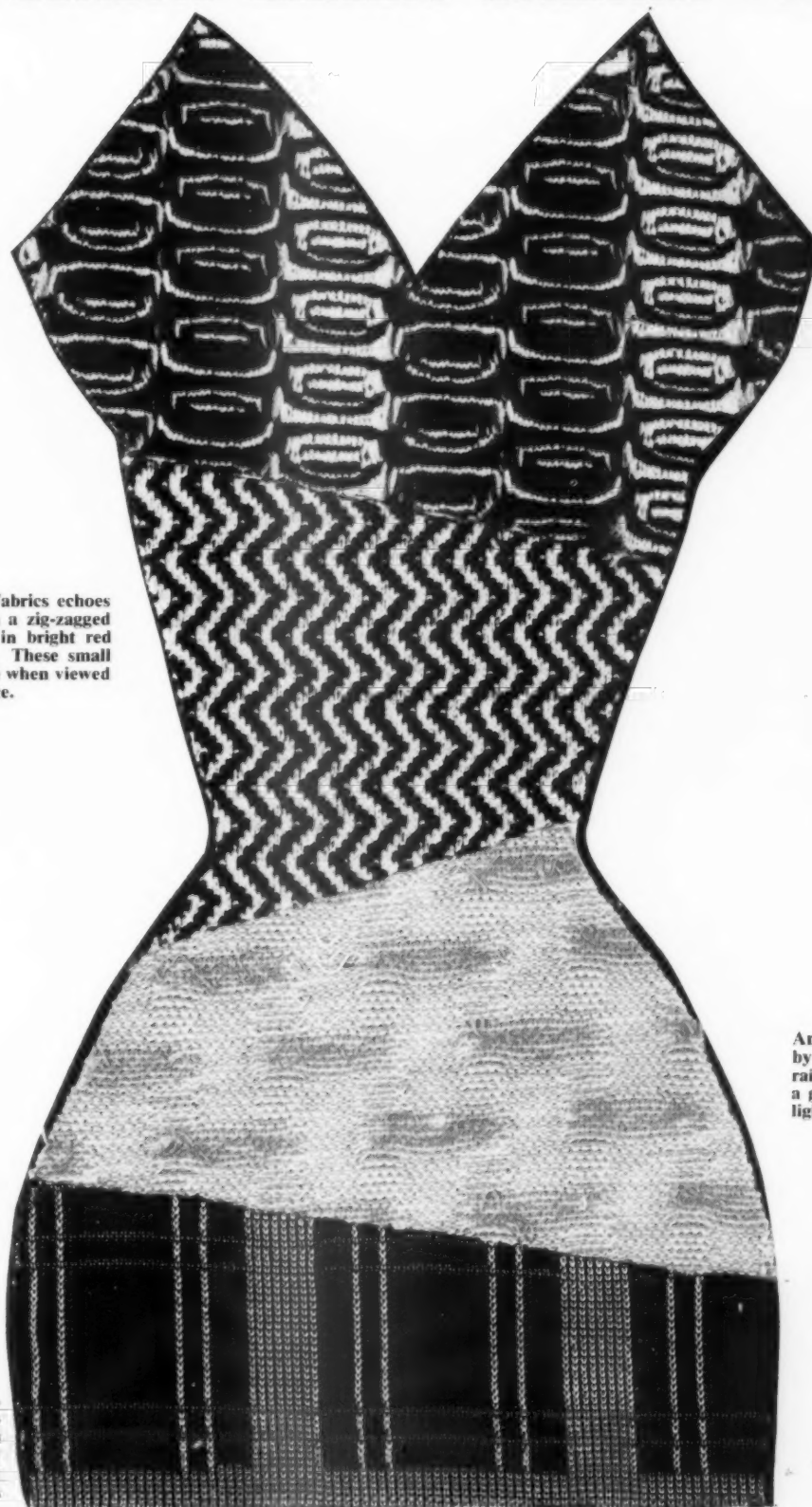
There is more in swimwear than meets the eye . . . and Keystone's controlled processing for stretch fabrics is where the difference begins. Keystone starts with premium dyestuffs, and follows through with the same quality along every step of the way. Yes, the textured "stretchables" so prominent in the season's high-fashion swimwear get the V.I.P. treatment at Keystone. Write, phone or send samples for processing . . . your inquiry will get fast personal attention.

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Knitted Swimwear Fabrics**Textured Surfaces Enhance Geometric Pattern Knits**

A vertical line by Stretch Fabrics echoes the motion of the waves in a zig-zagged wavy pattern, shown here in bright red and white alternating lines. These small patterns create a pinkish hue when viewed from the distance.

Edmos Products offers this interesting textured fabric in bright orange, alternating with white and tempered by a black ground. Patterned geometrics form stripes and lines.

An interesting texture is achieved by Armtex, Inc. by alternating raised rectangles of color against a ground whose similar color is lightened by the addition of white threads.

Metallic gold and black alternate in a boldly striped pattern by Surfah, Inc. Squares of deeper black are sharply outlined by stripes of gold and interlaced by thin lines of gold.

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Knitted Swimwear Fabrics**'61 Patterned Knits Shape Up In Interesting Effects**

No angular flowers such as these ever grew in anyone's garden. They add a note of richness to this Sidney Davis Company Inc. fabric shown here in metallic grey with white flowers outlined in black.

The Ace of Spades is celebrated in a M. Lowenstein and Sons fabric which groups diamonds in alternating shades of brown and gold against a camel colored ground.

Radiating lines are grouped around a center dot in this Falmark Fabrics creation. White threads are alternated with black in the background to give a greyish tone, further highlighting the widely spaced, black designs.

Snowflakes will fall on summer beaches in the person of this Beaunit Mills Inc. fabric which incorporates a white design against a black ground.



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Multitude Of Designs Brighten New Knit Swimwear Fabric Horizon For '61

(Continued from Page 13)

colors on a dark ground. The same acorn pattern in pastel shades has the younger set in mind. For the men, a black and white stripe and dot pattern is offered.

Other patterns in the cotton and rubber group are irregular checks, flower patterns and abstract overalls.

The irregular checks are shown in vibrant tones of pink and red; bright Caribbean blue coupled with black and white; pale green, orange and white; lavender and green; and mauve tones. Orange and gold, with touches of a green-brown tone, are good colors for men's wear as well.

Flower patterns in black, blue and red on a white ground are popular while overall abstract patterns, in various combinations of black, red, blue and pink, are doing well.

Also in the cotton and rubber group is a tweedy knit fabric, which coordinates solids with stripes. It is available in all of the bright colors for women, and in heather tones, orange, black, gray and brown for men. An outstanding striped fabric has a wide single band with five narrower stripes—the wide band coordinating with the smaller multi-tone stripes.

The Orlon and rubber group features a jacquard overall pattern. Black, red, wine and green are the strong colors. A fabric with a wool feel, offered in the stretch nylon, Dacron and rubber group is available in heather tones and various other color combinations.

A patterned jacquard in stretch nylon and rubber is available in black on white, and other combinations. A jacquard in an abstract design, white on blue, is also strong.

Tightly knitted 100 percent stretch nylon fabric is offered in the Fair-Tex collection. Of interest is a petit point design pattern in black. A wavy black and white stripe for men is important, as is a diamond pattern in black and red for women. Also strong is an overall jacquard in white on white in an irregular diamond pattern.

In an Orlon, cotton and rub-

ber number, very narrow stripes are doing well in red and orange, blue and gold, and two tones of green.

Falmark Fabrics, Inc.

A flat, sleek, knit look, rather than a bulky, heavy look, is characteristic of the fabric collection offered by Falmark. Blends of Helanca and cotton, Orlon, and cotton, all with Lastex, are being used in various combinations by Falmark.

The predominant colors in all of the groups are black, red, turquoise and white; however, orange, gold, royal and blue are rapidly coming to the fore.

The range of patterns is quite broad and may be had in any of the fiber compositions. Florals are strong while stripes, although not as popular, are important. Among the floral designs is a black daisy pattern on a white background and an abstract flower-bud design in brown and blue arranged on a bright white ground.

Large blossoms on a white ground are shown in various bright color combinations.

Stripes include narrow horizontal two- and three-tone treatments. A three-tone narrow delineation in blue, black and white is said to be important. Of interest is an abstract figure pattern contained within very narrow widely set apart crooked stripes. The stripes and the figures are dark brown and the ground is blue.

Geometric design, contemporary and provincial, are available in a wide range of color combinations for the ladies. Figured jacquard knits are also popular. For the younger set, a checkerboard pattern is especially popular, as are nautical designs in an array of motifs.

Stretch Fabrics, Inc.

Stretch Fabrics Inc., can prepare its terry cloth group, solid tricot group, and 100 percent Helanca solid group for screen printing. Printed patterns included mink designs in gray and brown, blossoms and allover florals in a wide range of colors, and an abstract geometric arrangement of squares and rectangles, also in a wide color assortment.

A complete line of fancy yarn dyed Helancas is offered. The extensive pattern line includes allovers, stripes, checks and tweeds.

Terry Stretch a fabric blend of stretch nylon and cotton, is one of many being offered for women's and children's swimwear by Stretch. This terry cloth has a cotton facing and a nylon backing with slightly heavier fabric for women's than for children's wear.

The terry is made of 60 percent combed cotton and 40 percent stretch nylon. Popular colors for ladies are black, red, royal, kelly green and plum. The younger set prefers pink, green, maize, red and turquoise.

A 100 percent Helanca nylon circular interlock swimwear fabric is featured in the firm's collection. The fabric is offered in solid colors, but horizontal Dacron and nylon stripes in coordination with the solids are available. A royal with royal and white stripes is proving popular. Important, too, in this group is fabric napped on one side, available in a multitude of colors.

A tricot stretch fabric in 100 percent nylon is available for ladies' and children's wear. The solid colors come in various shades of gold, loden green, royal, red and black. A combination of Dacron and nylon vertical stripes on tricot stretch is offered. Also popular is a color combination of black and loden in wide or narrow widths.

Surfab, Inc.

A Division of Knit-Form Mills, Inc.

Solids with raised patterns to create surface interest are being featured by Surfab this season. Unusual diagonal stripes in a wide range of color combinations. Various geometric, plaid and jacquard simulating motif patterns are doing well while paisley in various color combinations is important. A paisley in black on teal ground is particularly outstanding.

Elastic circular knit fabric for women, in combinations of Orlon, chromspun and covered elastic yarn, is being offered in this swimwear collection. The strong colors are gold, moss green and teal blue, as well as the basic colors of red, navy, black and white.

An interesting selection of floral patterns is available in

the women's line. A leaf design in gold on a white ground is important, and a pebble weave, in a wide range of colors, is quite impressive.

In the men's and boys' elastic circular knit-to-fit swimwear fabric collection, solids and stripes are featured in a broad range of colors. Stripes are available in various widths. An exciting plaid fabric is offered in black and gold and other color combinations.

Men's and boys' fabric is sold in the knit-to-fit body sizes, in which one size fits all.

M. Lowenstein & Sons, Inc.

Solid goods with surface interest, as well as flat solids, offered are seen in the Lowenstein collection of knitted swimwear fabrics in combinations of Orlon and rubber. Strong colors in this group include black, red, white and green.

A Persian Lamb fabric, in Orlon, cotton and rubber, is an important item. The fabric is available in a wide range of colors, with black, turquoise, red and white the most popular.

Lowenstein is offering a line of yarn dyed fancies. A geometric, in an ace of spades pattern, an a floral, in a foulard pattern, are important. Multi-colored stripes in a multitude of color combinations are also shown. These fabrics are offered in combinations of cotton and rubber; Orlon and rubber; cotton and rubber; Helanca; and stretch nylon and acetate.

The firm's line is styled towards women's and children's swimwear; however, some styles are finding their way into men's swimwear. These include stripes and yarn dyed goods in cotton and rubber, Orlon and rubber, and Helanca and rubber.

At this time, Lowenstein is contemplating printing on knitted Lastex.

Swim Suit Transparent—Award Woman Damages

MUSKEGON, Mich.—Damages of \$850 have been awarded, here, to a local housewife because of the "humiliation" she suffered when her new bathing suit became transparent when she wore it in the water.

The housewife filed suit against a local retailer, here, in 1957.

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Knitting Principles

Knitting Of Elasticized Loop Fabrics For Swim Suits

By J. B. LANCASHIRE
Senior Lecturer, School of Textiles
Leicester College of Technology

Despite the increasing use of textured synthetic yarns in swimwear and the recent introduction of an elastomeric fiber which enables finer threads with more sustained contracting power and better affinity for dyes to be produced, rubber is still the most important component of elasticized loop fabrics. In the form in which it is generally used it is round in cross section and covered with helical wrappings of relatively inelastic threads, one wound in clockwise direction and the other in counter-clockwise direction.

Knitted fabrics possess natural elasticity which varies in degree according to the kind of yarn used and the nature of the stitch, but this property is unimportant as compared with the strong contracting force which the rubber gives except insofar as it affects the actual choice of rubber thread to be used, which depends not only upon machine gauge and the nature of the knitted stitch but also upon how the thread is to be incorporated in the fabrics.

Elasticized loop fabrics can be either weft-knitted or warp-knitted, and may be made on either one or two sets of needles. Fabrics of relatively light weight are producible on a weft-knitted basis on circular machines with one set of needles, 18 or more to the inch, the rubber threads being introduced by tucking and missing. Tying in takes place wherever the rubber threads pass from one side of the needle circle to the other side (outside to inside, and vice-versa), and the more frequently the change-over occurs, the greater security there is against risk of creeping if and when the threads become unsecured through cutting or some other cause. The introduction of rubber threads in this way imparts one-way stretch without seriously disturbing the loop structure. Rubber threads of medium thickness and elongation are suitable for the purpose, and they can be laid in at intervals of every knitted course or less frequently, as desired. Inlaying can be done by tucking in every second, third or fourth wale.

As an alternative to tying in the rubber threads in the form of straight wefts by tucking and

missing, given suitably fine threads they can be actually converted into loops, making either a course of plain stitches or a course comprising cleared and missed loops. A plain jersey fabric can be adapted for swimwear by having every third course made from rubber thread, the thread being fed under very light tension, so that the loops formed from it are not too tight. The knitting of rubber threads in this way produces two-way or dual stretch, the amount of stretch in walewise direction being at its maximum when the rubber thread is knitted in every wale. There is the possibility of using rubber threads in both ways in the same fabric; and of plating the knitted rubber threads along with textile yarns to improve textural stability.

Rubber Doesn't Affect Patterning

Although the presence of rubber threads in knitted fabrics may affect their appearance as well as their elastic properties, it does not interfere with patterning possibilities, and in many instances supplementary feeders can be fitted for inlaying the rubber threads without reducing output or having any adverse effect on manufacturing conditions.

Velour type fabrics with rubber thread inserted are producible by forming double loop stitches some or all of which contain a long plush loop and a relatively short ground loop. In all-over self-colored and horizontally striped velour type fabrics, there is a long loop in every stitch, but in self-colored fabrics in which the velour surface is developed in figured form and in patterned fabrics that show the velour in two or more colors there are some stitches that consist of two short loops.

These fabrics can be produced on spring beard needle machines with sinker-formed loops and on latch needle machines with nee-

dle formed loops. On the spring beard needle machine double catch loop-forming sinkers are used, and one way of making figure designs is by deflection of the plush thread into the same sinker catch as receives the ground yarn where stitches comprising two short loops are required to be made. On sinker wheel machines of the Terrot type use is made of two kinds of loop-forming sinkers, A and B. Sinkers A have one deep catch to draw long loops and one shallow catch to draw short loops, while sinkers B have two shallow catches to draw short loops only.

By arranging the two kinds of sinkers in the sinker wheels figure designs can be developed in areas the dimensions of which depend upon the number of needles in the machine, the number of sinkers each wheel will accommodate and the number of knitting feeders. A typical example is a 26 Fein machine with 1380 needles and four feeders, each feeder incorporating a sinker wheel that contains 330 sinkers. The area in this case is 30 wales wide, 44 courses deep and any desired figure design can be made within this area independently of the frequency of occurrence of inlay courses of rubber threads. According to choice of shape of sinker A, the depth of the velour pile can be varied at will. Alternate bands of velour cloth and plain fabric can be produced on sinker wheel machines by deflecting the plush threads into the shallow catches of the sinkers at all feeders during certain revolutions of the machine.

The production of velour type fabrics on circular latch needle machines involves the use of holding down sinkers that work in conjunction with two yarn guides, all-over effects being obtained by feeding one yarn above the sinkers to be drawn into long loops over the nibs of the sinkers and the other into the throats to be drawn with short loops over the sinker bellies. Figure designs are obtainable by sinker selection with horizontal pattern wheels. As they approach each knitting feeder all sinkers are

moved radially outwards, and except where the sinkers are subsequently pushed inwards by bits in the pattern wheels, both loops are drawn over the bellies of the sinkers to form short loops. Where sinkers are pushed inwards long loops are drawn over the nibs and short loops over the bellies.

In addition to the horizontal pattern wheels for selecting the sinkers, there are inclined pattern wheels for selecting the needles, and the latter furnish means for the inlaying of rubber threads. An example is provided by a machine with 1380 needles having 32 feeders, each feeder fitted with horizontal and inclined pattern wheels containing 96 tricks. Rubber threads can be conveniently inlaid at every fourth feeder, leaving 24 feeders for making figured velour type fabric with design repeating in a rectangular area 48 wales wide and 48 courses deep. In this case also the depth of pile can be varied by suitable choice of sinkers.

Weft-knitted swimsuit fabrics to be made up on a cut and sewn basis can also be produced in many other loop constructions, including, among those that are knitted on one set of needles, textures of a terry nature produced by combining double-loop and single-loop stitches; by knitting, tucking and missing in the same courses; or by the use of backing threads.

When two sets of needles are available, the most obvious way of inserting rubber threads is by feeding them behind the cylinder needles and below the dial needles as these needles move toward their clearing positions. Thus, they are made to lie as straight weft threads between the surface stitches at front and back of the fabric. When they are inserted in this way in 1/1 rib fabric their thickness is not influenced by machine gauge, but high elongation is necessary to ensure that the stretchability of the rubber shall extend beyond the limit of that of the rib fabric itself.

One special feature of inserting rubber in this way is that it
(Continued on Page 47)

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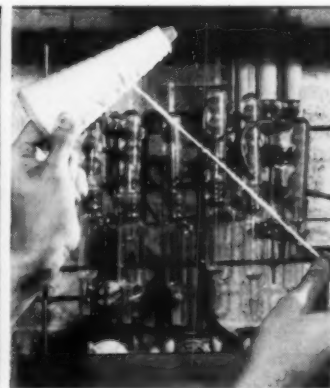
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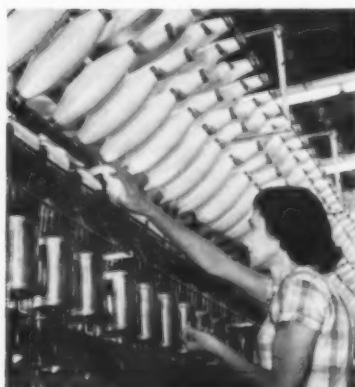
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A modified bikini in solid shades offers sheer simplicity in its lines. A haltered bra maintains the topmost effect.

The scooped neckline of this sheath plays itself out in demure little sleeves. An all-over floral pattern bedecks the fabric.



This black sheath is topped by lighter cross stripes while similar edging enhances hip-height pocket-like effects.



Overlapping daubs of color are outlined in black against a white ground. Playful designs are right for this classic bikini.

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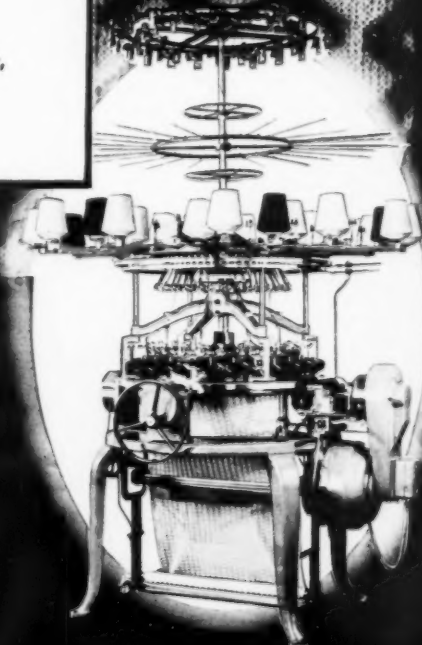


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Fig. 1.

Elasticized Knitting Techniques

Circular Knitting Of Elasticized Swim Fabric Abroad

By RALPH INNES, Foreign Technical Correspondent

Parallel to the trend in the United States, increasing interest is being shown in Europe in circular knitting machinery capable of producing elasticized fabrics for swimwear.

Rubber yarns, whether covered or not because of their peculiar elastic and tensile properties often require special techniques for knitting them satisfactorily and there is a representative range of circular knitting machines, both of the bearded as well as latch needle type available which have been specially adapted for knitting in rubber or rubber covered yarns of all kinds.

The German firm of Alber & Bitzer, Taillfingen, Wurttemberg, Germany, has developed the "Albiquard Circular Jacquard Machine" which has been specially designed to produce swim suits of various kinds. As can be seen from the photograph shown in Fig. 1, the machine is equipped with pattern wheels in preference to pattern-drums or jacquard film strips.

It is claimed that the pattern potential inherent in pattern wheels is perfectly adequate as far as swimwear is concerned, since such garments are not normally knitted with large area figure designs. Any limitation applicable to the use of pattern wheels is more than compensated by the fact that far less time is needed to change the machine from one design to another than would be the case with machines equipped with pattern units or film strips.

Finally, the use of pattern wheels enables the machine to run faster than would be the case with other models.

From the point of view of

the knitting engineer this is an advanced type of machine, and by controlling the movements of the pattern wheels by means of a film strip the pattern possibilities of the machine are considerably enlarged. The machine is thus able to knit both uni-colored as well as multi-colored jacquard designs. It can knit designs such as ripple cloth tuck stitch designs and many tuck float rib structures. With regard to color jacquard, the Albiquard model can knit designs with up to four colors as well as jersey fabrics of various types. The length of the design is punched into the control film and wherever a large hole has been punched into the film by means of a special pair of pliers provided with the machine, the pattern wheels go out of action. (See Figs. 2 and 3.) With the wheels thus bluffed out, the machine then knits with the pre-selected color on the face side of the fabric while plating the second color on the reverse side. This produces a particularly stable fabric with little horizontal elasticity, thus helping the fabric to retain its shape particularly well.

After each revolution, the film is racked forward by one row of holes. When all the holes appear again in the film strip,

The circular knitting machines produced in the United States and suitable for the manufacture of elastic swimwear fabrics have been presented in previous issues of the Knitted Outerwear Times. By way of review and summary, the American models in use for this specialized type of knitting are:

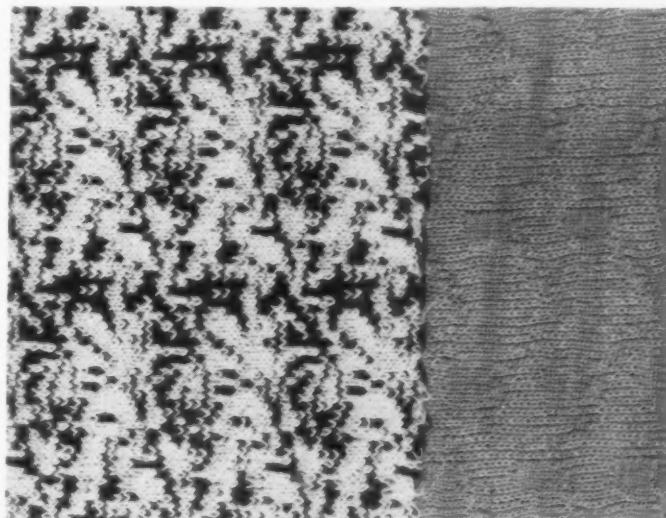
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Supreme Knitting Machine Co.

Machine Model
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IR/W
MLW
PR 19
ROF
R-STWY
SAAF/C
SAI/PP

the pattern wheels commence to operate once more. This process can be repeated as often as required. The length of the film depends upon the length of the pattern repeat. Since in the

manufacture of beach and swimwear mostly cut fabric is used and the displacement of the design as caused by the pattern wheel is unobtrusive it produces

(Continued on Page 53)



Albiquard Jacquard Sample.



Fig. 1. Overall view of the Albiquard Machine.

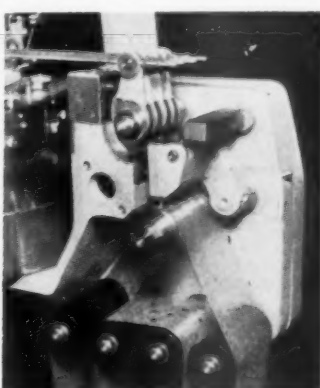


Fig. 2. Albiquard: The Film Strip Control.

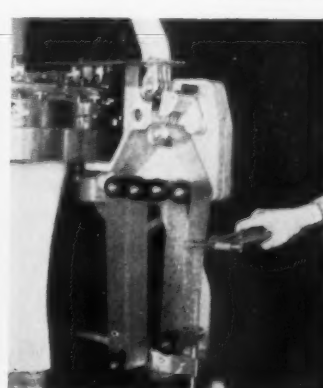


Fig. 3

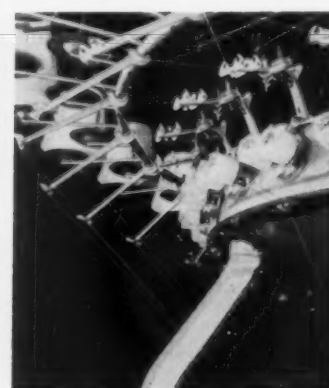


Fig. 4. Albiquard Machine Yarn Feedwheel Arrangement.

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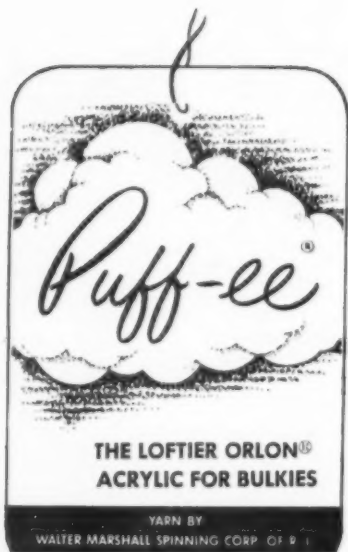
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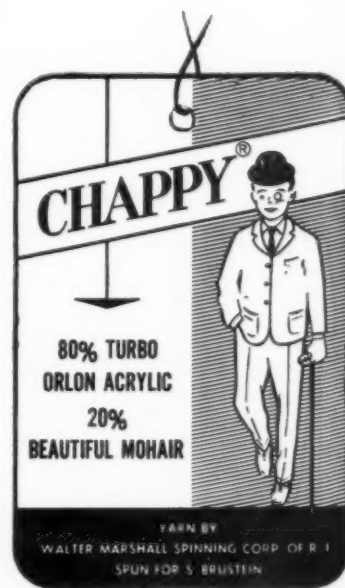


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Phila. Producers Predict Increase In Demand For Knitted Swim Suits

PHILADELPHIA, Pa.—An interest even greater than during the season nearing a close, in knitted fabrics for swimwear is forecast for next year by both ladies' and men's swimwear manufacturers here.

Emphasis in the knitted fabrics will be on new surface treatments, embossed and raised effects, greater pattern intricacies, and in more widespread use of such special yarns as boucle types, swimwear producers anticipate.

In better price men's swimwear placement patterns in fine cottons are expected to feature in the rigid fabric lines, while generally in this field the trend to neater stripes and patterns will prevail.

The olive, gold, grape and tones of blue are expected to be prominent again as colors in the coming year, for men's swimwear.

Without exception, manufacturers contacted reported this past season has been an excellent one. They say they are winding up the season with stocks clean, some next season orders are already in and indications are that next year will be

an equally good one. One source noted that distress merchandise has been conspicuous by its absence for the most part this year, which is a good omen for the next season, for everyone.

In addition, wholesale customers appear anxious to place their initial business early this year, it was noted. Last year, wholesalers who didn't specify their needs early enough had difficulty, one source pointed out.

Greater Interest In Knit Fabrics

"We believe that the increased interest in knitted fabrics will continue to predominate the swimwear scene," Abe H. Liebster, head of M & M Knitting Mills, makers of swimwear for ladies and girls, here, said. "In these knitted fabrics, texturized yarns such as Helanca, Orlon

and Lastex knits, cotton and Lastex and various designs and patterns in knitted fabrics will be important. We also believe that next year there will be a greater interest in knitted fabrics in such special types as boucle-type and face interest yarns."

In woven Lastex fabrics, Mr. Liebster said, there probably will be a greater call for screen prints and fancy fabrics.

This swimwear executive reported his company has had a record season and that expectations are next season should equal or surpass it.

Nathan Neuman, head of Progressive Knitting Mills, makers of swimwear for men, boys and juveniles, said his company has enjoyed a record season, that orders have been completed and stocks are clean and the company already has some business for next season on the books.

Surface Effects Important

Textured type yarns, solids, patterned and striped fabrics will all be important in knitted fabrics for swimwear next year, this source predicted. He anticipates the use of much more knitted fabric generally, using

acetate, cotton and rubber combinations, also Helanca knits. Patterned goods featuring raised and embossed effects should be important, he predicted.

Cotton will continue to be the main interest in the rigid woven fabric boxer type trunk, with neater prints, ticking stripes, batik prints, subdued plaids, the most important. Various types of printed cotton cord and Bedford cords will also be used, he noted.

Solids, plaids and stripes with emphasis on the neater type will be in demand in the woven Lastex fabrics for next year, this source believes.

See Demand For Neat Patterns

New handkerchief patterns and placement patterns in woven cotton will be important for men's swimwear next year, Philip Wexler, member of the firm at Gay Sportswear, which makes swimwear for men and for ladies, predicted.

He said knitted Lastex cotton and rubber, Orlon and rubber will continue to be of interest in ladies' swimwear lines for

(Continued on Page 43)

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"Impromptu" molds Helanca to this sheath shape with an off-center neckline and a symmetric skirt. The covered shoulder descends to a low back. Available in black only. the suit comes with a "Circolair Bra." By Rose Marie Reid.

A classically draped swimsuit moves gently with the wearer. Maillot, circled with a self-fabric belt, has vertically draped front and smooth panelled back. Of Arnel Elasta-Q in white or black. Caltex of California by Jane Ford.



A rose-strewn sheath with detachable straps and an inner bra under its contour cuffed top. The cotton knit is elasticized for figure control. Designed by Maurice Handler, suit is available in red, blue or gold on white ground.

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Helanca stretch nylon in a pebble knit . . . fits the shape and holds it. Modeled by Sandra Lipton.



Helanca stretch nylon and Orlon together . . . in an attractive jacquard design . . . shown here by Gillis.



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Pacific Northwest Apparel Clubs Combine To Sponsor Fall Showing

PORTLAND, Ore.—Four apparel clubs operating in the Pacific Northwest joined forces early this summer for their fall and back-to-school market here—a move which, comments indicated, met with a favorable response from customers and a good deal of enthusiasm from sales representatives. The four clubs—all featuring women's or children's lines included the Portland Apparel Association, Pacific Apparel Association, Rose City Apparel Association. Showings were centralized on several floors of the Multnomah Hotel, with some exhibitors having showrooms at the Benson and Plaza hotels.

Plans call for similar combined markets in the coming months, thus providing the greater inducement of a more complete selection for out-of-town buyers.

Numerous knitwear lines were offered, and traffic was heavy in sample rooms representing sweater lines.

One noticeable phase of fall buying was the observation, made by many knitwear representatives, that the prophesied return of the classics had failed to materialize to any extent and that the novelty demand is as strong as ever. As is usual, some classics were wanted for strictly back-to-school business but buyers were said to have been somewhat disappointed with results of their last year's stocking of classic numbers for a more general trade. The demand for novelty in sweaters apparently is by no means exhausted.

Bulkies continue to be popular, and the various brushed or fluffy knits—including the newer Angora types—are still enjoying a lively demand. Fur blends, which seemed somewhat on the wane in recent seasons, were doing well at this market; if not actually increasing, they appeared to be holding their own without difficulty.

A great variety of colors are getting a good reception—ranging from darker tones and neutrals to pastels, which are expected to build up toward the holiday season. The more brilliant shades are less in evidence. Preferred colors seem to be subtle or unusual shades, rather than standard favorites. The looked-for trend toward lavenders, lilacs, etc., appeared to be shaping up well.

Skirt Coordinates

Coordinating skirts are always

an important factor in the sweater market for this season, and manufacturers seem to offer a greater proportion of skirts and other coordinates in patterned fabrics—plaids, etc.—rather than in the solids of other years. Skirts tend to be straight, and in many cases are definitely shorter.

Mohair shags with crew neck were showing strong back-to-school selling power, as reported by C. F. Pike, who represents Helen Harper. They are offered with dyed-to-blend skirts. High necks are favored by high-schoolers, he said, and heather tones in shags are still doing well, both for high school and college wear.

Orlon, handled in novel ways, was also strong. These included heavily textured sweaters, such as those employing Orlon Sayelle. A "Luxura" hand knit from Italy, with DuPont Orlon as the fiber, was proving popular for the better shops.

Particularly where 100 percent acrylics are concerned, dressmaker tops are the desired styling, Mr. Pike said. But there is still a nice demand for jewel neck sweaters, since these can conveniently be worn under coats.

The bulky demand is reaching into the pullover field, in addition to the cardigan, he finds.

Vertical striping is preferred to horizontal stripes, except in the case of high school students.

Colors that are selling well include safari toast, browns, taupes and greens—especially soft grey-greens.

"Anything new and novel" is currently sought by buyers, according to Ormond F. Hoyt, who represents Pam Foster, Inc., Seattle. Hoyt reported fur blends doing well for back-to-school and for the career girl, as well. Orlon shags, too, are very strong at present. Best colors are camel, violet, and a rather intense shade of blue.

Frank Stitt, representing Eu-

(Continued on Page 50)

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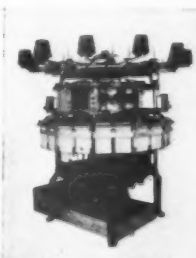
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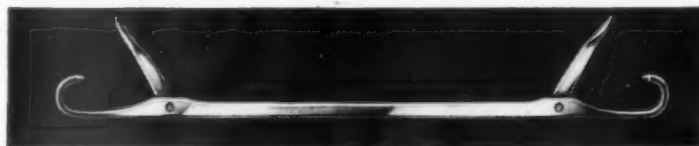
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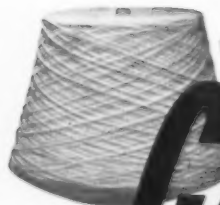
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JULY 18

"Preview of New Swimwear Fabric Lines"

A pre-season delineation of rigid and elasticized woven and knitted swimwear fabrics, made from natural and synthetic fibers... plus a report on 1960 swimwear styles... initial swimwear promotion issue to the primary market.

OCTOBER 10

"Knitting Mill Equipment Review"

Bringing the industry up-to-date on new developments in knitting machinery, and winding, sewing, cloth-cutting, conditioning, pressing, finishing and other equipment and supplies—available from domestic and foreign sources.

AUG

"Open Swimwear"

A "Style" special timed just right—sentation of new and children's swimwear... augmented discussion complete coverage.

OCTOBER

"Annual Wool Specialty Fibers Review"

Interpreting the "Wool" for knitters and readers charting the many new developments in wool... authoritative information on wool yarns, fabrics, etc.

Here are 11 exciting outerwear and swimwear services in the knitted trade publication.

Capitalize on the exciting issues which will carry (ing) devoted to the trade publication.

If you're not yet convinced, find out more about the business.

For full information and detailed outlines of these Special

AUGUST 1

"Opening of Swimwear Lines"

A "Style" special issue — timed just right — for the presentation of new ladies', men's and children's swim suit offerings to the primary market . . . augmented distribution to insure complete market coverage.

AUGUST 15

"Ribbons, Buttons & Trimmings Review"

A comprehensive discussion — and extensive pictorial display — of new types of ribbons, buttons, threads, knitted trimmings, accessories and zippers for knitwear and swimwear.

AUGUST 29

"Dyeing and Wet Processing Review"

Reviewing all late developments in processing and dyeing of natural and synthetic yarns and knitted fabrics . . . emphasis also being given to chemicals and dyestuffs used for yarns and knitwear . . . incorporating all latest technical information.

SEPTEMBER 12

"Knit Shirt, Swimwear & Fabric Lines"

The major issue for knit shirt manufacturers catering to the primary market . . . also featuring knitted and woven fabric offerings . . . summary promotion issue for swimwear firms . . . Bonus Distribution—2,000.

OCTOBER 17

"Annual Wool and Specialty Fibers Review"

Interpreting the "Wool Story" for knitwear readers . . . starting the many new, exciting developments responsible for increased wool application and usage . . . authoritative information on wool tops, yarns, fabrics, etc.

OCTOBER 24

"Factoring & Mill Financing Review"

Continuing our editorial program to explain the mechanics of Factoring and how knit goods manufacturers and jobbers can profit from its use . . . plus authoritative information on inventory and equipment financing.

NOVEMBER 7

"Synthetic, Novelty, & Blend Yarns Review"

Pinpointing the great technological developments streaming out of laboratories of fiber and yarn suppliers . . . stressing the role of synthetics, novelties and blends for knitwear . . . "An Encyclopedia of Synthetic Information".

NOVEMBER 21

"Wholesale Spring Sweater Lines"

A review of the sweater lines which mills and selling agents catering to the wholesale trade will be offering for the Spring 1961 season . . . summary promotion issue for knit shirt producers . . . Bonus Distribution—2,000.

DECEMBER 19

"Annual Review and Forecast"

An overall report of the operation of the knitted outerwear trade and its allied supply fields during the past year . . . presenting "The Outlook for the New Year" . . . an invaluable "Guide to Future Planning."

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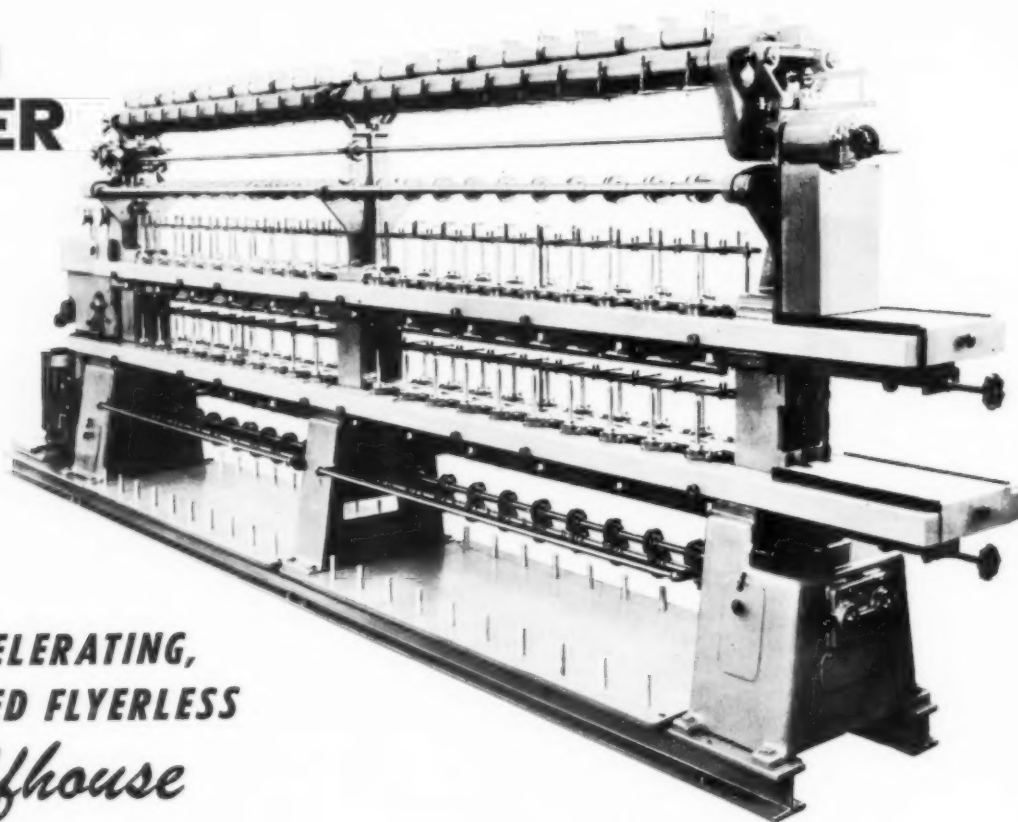
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Surface Treatments Dominate '61 Lines

(Continued from Page 11)

tufts of fabric in solid and multi-colored dots.

Basic cloths which are sold for printing are noteworthy for their softness and the wide range of texture surfaces which now break the long monopoly of smooth goods.

H. Warshaw and Sons

Spandex cloths will be used in Warshaw's line of both prints and solids for 1961.

Print cloths which will also be produced on cotton basiste and Acetate satins and failles are expected to emphasize white background rather than solid prints, and big, broad designs rather than the geometric abstractions of past seasons.

Warshfast Colors manufactured with improved dyeing methods offer a variety of brighter shades available in pre-dyed colors or in dyed to order tones. Greens, reds and oranges and all variety of the tropical shades promise popularity.

Off-basic cloths with surface

interest rising from their textured weaves are available in a choice range going from crepe to pique, to duck, to silk slub to sharkskin. Lightweight Laton tafettas whose advantage lies in their drapability are a discernible trend in plain goods while Helanca cloths, both singly and combined with elastex, are strong. Interesting effects, especially in the stripe group, are produced on off-basic weaves.

Brighter colors have been utilized in the fancies line. A trend has been noticed which moves away from the more expensive highly styled fancies produced, for example, with Mylar to simplified styling.

Phila. Producers See Big Year For Knit Swimwear

(Continued from Page 29)

next year but woven Lastex will also continue to be good. In woven Lastex generally, neater patterns, neater stripes, with more muted colors, should find good acceptance in the season ahead.

This manufacturer also indicated the season past has been an excellent one.

Investigate the wonderful things being done with dyed, bulked, preshrunk and Ready-to-knit

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Principles of Knitting Elasticized Loop Fabrics For Swimwear Noted

(Continued from Page 21)

serves to provide a means of shaping tubular-knit garments without increasing or decreasing the number of knitting needles. The shaping is done by varying the rate at which the rubber thread is fed into the machine. A typical feed wheel mechanism suitable for this purpose consists of a spring loaded wheel the edge of which presses on the flat surface of a rotating plate, the contact point at which the thread is gripped being movable along a radius of the plate. The wheel is attached to an arm that rides along a screw spindle, and the latter is turned automatically by ratchet wheel and pawls at times as determined by studs on a control chain. The arm can be moved in both directions, and the rate at which the rubber thread is fed is decreased or increased gradually as the wheel, which is attached to the arm, is moved toward or away from the center of the rotating plate.

Rubber threads laid in as described above impart one way

stretch in a lateral direction, and substantially the same result is attained when rubber threads are supplied at feeders at which tucking takes place on certain cylinder and/or dial needles, the other needles being kept out of action at these feeders. Rubber threads introduced by this alternative method on a cylinder and dial machine are less liable to creep when free to do so, but, gauge for gauge, they cannot be as thick as those that are introduced independently of the needles.

The knitting of rubber threads on a cylinder and dial machine can be made to produce either one-way stretch or two-way stretch, as desired. When the knitting of the rubber threads is confined to one set of needles the influence of stretch in walewise direction is small, and it is not very much greater when the rubber threads are plated with relatively non-elastic textile yarns in the knitting of ribbed courses. In the case of plating,

walewise elasticity will, of course, be more pronounced if thermo-plastic stretch yarns are used in conjunction with rubber threads, but maximum walewise elasticity is obtainable by knitting rib courses comprising stitches which are composed exclusively of rubber threads or by knitting wholly from rubber threads, courses on dial needles only at certain feeders and courses on cylinder needles only at other feeders. As a rule, elongation as low as 140% is adequate when rubber threads are converted into loops. To minimize risk of cutting the rubber core, stitch cams at those feeders at which rubber threads are knitted, either by themselves or along with other yarns, should be adjusted to draw the longest possible length of loop.

Amongst fabrics suitable for swimwear which can be produced on two sets of needles is one that is made by knitting worsted, textured synthetic or other textile yarn on all needles of one set and rubber threads on all needles of the other set, the two separately knitted "faces" being joined back-to-back by tucking with the textile yarn on

some or all of the needles on which the rubber threads are knitted. A puckered effect is obtained and this effect can be emphasized by knitting several courses from the textile yarn to every one from the rubber threads.

Double Jersey Fabrics

Some double jersey fabrics of three dimensional construction suitable for swimwear are produced by knitting on all dial needles at every feeder and on selected cylinder needles, the needle selection amongst cylinder needles being so arranged that the number of stitches knitted on the dial, which makes the face side of the fabric, greatly exceeds the number knitted on the cylinder. One way of imparting extra elasticity to these fabrics is to form loops from rubber threads on every fourth needle at fairly frequent intervals, the cylinder needles being selected so that elastic loops are equally distributed over all the wales on the technical reverse side of the fabrics. Elastic properties can be imparted to flat jacquard fabrics by incorporating rubber threads in the twill

(Continued on Page 49)

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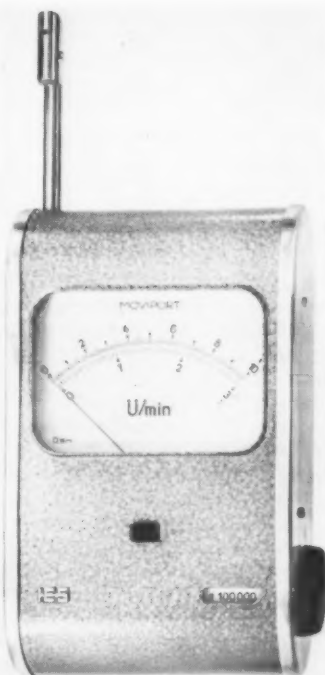
STUTTGART, West Germany—A small electronic tachometer designed by J. u. A. Braun Industrie-Elektronik is said to open up entirely new possibilities in revolution counting on textile machinery.

The instrument can be used in one hand and the test sites are photo-electrically scanned by a light beam. This makes it possible to accurately measure revolution speeds without interrupting the operation of a machine.

The instrument, called the Moviport, directly indicates in five reversible measuring ranges the speed or frequency of motion.

The device can also be used, say the makers, for remote indication and control.

The principle underlying the operation of the unit is quite simple. A beam of light is emitted from the device and contrast effects, caused by the marked test site on the revolving member under examination, are recorded by the instrument. The



Moviport—A small portable electronic device, which, its developers claim, can record revolution speeds while the machine it is checking stays in operation.

test site can be marked by a bore, slot, flattened or promin-

ent surface, or a chalk line or small length of adhesive tape will suffice.

The electrical system of the instrument converts the light pulses into a current proportional to the number of revolutions per minute, excluding any influence on these indicated values caused by the length of the marking or by the intensity of contrast.

Errors caused by side reflections are excluded by an automatic suppressor. The sensitivity of the device is such that a rotating fibre or wire can be measured.

Knitting Elasticized Loop Swim Fabrics

(Continued from Page 47)

backing; and to figured cloque fabrics in a similar way.

Elasticized swimwear can also be made from warp knitted fabrics, the rubber threads also being incorporated in these fabrics either by knitting or laying in. The supply of rubber warps through a third guide bar, provided they are not too coarse for the gauge of machine, suffices to elasticize any close two-

bar tricot fabric. It is convenient to use the middle and back guide bars to make the fabric, leaving the front guide bar to deal with the rubber threads. The threading could be one in, four out, and the lap cycle | 1-0 | 5-6 |.

Swimwear can also be made from elastic power net knitted on Raschel machines using four guide bars. Each guide bar carries a half set of threads, the front and front-hit-one bars combining to produce a pin mesh foundation texture from textile yarns while the back and back-hit-one bars inlay rubber threads. Situated between the front-hit-one and the back-hit-one bars there may be additional bars to inlay textile threads for figure patterning.

Walters Elected To Board

BOSTON, Mass. — Royden Walters, executive vice president and general manager of Saco-Lowell Shops, has been elected to the board of directors of that 147 year old Boston-based manufacturing firm, David F. Edwards, board chairman, has announced. Walters was elected to fill the vacancy created by the death of John E. Johnson.

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Pacific Northwest Apparel Clubs Combine To Sponsor Fall Showing

(Continued from Page 35)

clid Sportswear (Dotty Mann garments), Cleveland, was getting good response to knitted skirts, as well as tops. A cotton knit skirt in a narrow rib, completely lined, which could retail for as low as \$3, was being purchased by virtually every customer, Mr. Stitt stated. Another skirt, in knitted Orlon, drum-lined, was described as being machine-washable and tumble-dryable.

In tops, both fur blends and Orlons were well-received. Among them was a velveteen of clipped and brushed turbo Orlon.

While classic sweaters are selling for back-to-school, novelty is proving very important this year, with neck treatment and other detailing a definite factor in the high school trade, Mr. Stitt observed.

In the Picadilly Sportswear line, of New York, he was showing a group of dresses in a knitted Orlon-Arnel fabric by Milliken, to retail at around \$19 to \$21. Described as tumble-dry-

able, these too were getting a good reception. While generally basic in appearance, the dresses had varying sleeves and a good selection of necklines. Those specially popular included a jewel neck with narrow turned-over edge in a novelty stitch, a stayed lapel neck, and a lapped V-neck.

Jackets in over-hip length included some strong sellers, with styling presumably gauged for the more mature customer. Among favorites were a white, cross-checked knit embroidered with small flowers, and another with a crest on the breast pocket. Sewed-on patch pockets were present on many styles.

Fur Blends Gain

A big gain in all fur blends is currently noted by Irv Pratt, Jr., Bernhard Altmann representative. Included in this classification are the two-ply Angoras in the line, which are enjoying much success and will be included in greater strength in the Altmann holiday line.

Cashmeres are showing con-

siderably more activity than at any time since 1956, Mr. Pratt said—with interest displayed by retail customers during the last holiday season a factor in encouraging buyers to add more of them this fall.

Classics haven't been as good as last year, and there's more of a trend back to novelties.

A new Altmann presentation in this country is the heavy weather-jacket type of sweater in a bulky twelve-ply lamb's wool, which is to form part of the holiday line. These will retail at \$30 to \$40. They have been made in Vienna for European distribution during the last two years, and are being introduced here for the first time.

Also scheduled for early introduction are one-piece and two-piece flat-knit dresses—the latter to be sold as a unit, not as separates. Merino wool is the fiber.

The holiday line, in addition to more intarsia and pointelle, will feature several current styles in new colors, including six new "candlelight" pastel shades.

French Angoras, with 50 percent lamb's wool content, were going over very effectively in the

Darlene Knitwear collection, represented by Millard Cohn. Fur blends are strong as ever and dressmaker styles are still top-ranking in this very popular line—for which color-matched Tami skirts are available, made in San Francisco and also carried by Mr. Cohn. Well-liked, currently, are the mauve and purple tones.

Angora Knit Skirts

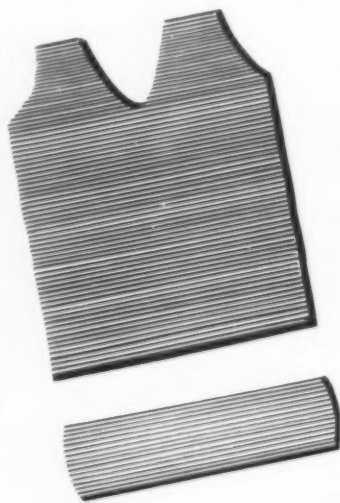
New this year are Angora knit skirts, which match the sweaters. Skirts are straight and are fully lined. They retail at above \$20 and are selling to department stores and some of the specialty shops.

Darlene's full-fashioned knit swim suits have met with a good reception and reorder business, despite unfavorable spring weather in this area.

Larry Handley, representing Bobbie Brooks, finds the bulky look and interesting stitches important now. Classics are in about the same position as last year in this youthful, junior-sized line. However, they have never achieved the popularity enjoyed by dressmaker styles.

(Continued on Page 55)

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Overseas Technical Trade Conference

Positive Feed Device Studied By British Knit Goods Men

HARROGATE, England— Stressing the need to prepare for more competitive times ahead, some 200 representatives of the British knit goods industry gathered here last month to hear papers devoted to improved production and management methods.

(Editor's Note: This report continues the summary of the Conference, part of which was reported in the previous issue.)

The audience showed special interest in a discussion of the new positive feed device applicable to knitting machinery and recently developed as a result of the studies conducted by the Hosiery and Allied Trades Research Association of Nottingham. The positive feed system aims at avoiding dimensional variations in knitted products and is described as also aiding technical administration of a knitting factory.

A. E. Hinckleiff, chairman of the meeting and member of H.A.T.R.A. Council, disclosed that arrangements had been made for the production of the new positive feed mechanism by the Bentley Engineering Co. Ltd. There was exhibited concurrently at the Conference a prototype of the positive feed mechanism built by Bentley attached to the latest type of hosiery machine known as the 400 N.K.L. Machine, and also on display was a prototype positive feed system applied to a half-hose machine. It is now understood that a mechanism is in development for fitting positive feed to V-type flat machines.

A lively series of questions after the Conference brought out the following points:—Commercial availability will depend on the quantity ordered; initial price will be (\$140) per machine with the prospect of a lower price if large volume production is achieved. Positive feed units will be available to H.A.T.R.A. members in the first instance and to other manufacturers—at a higher price—later. Whether it will be sold abroad has not been stated.

Although throughout the discussion of the positive feed system references were made to its application to the production of hosiery, and although this will in fact be the field where it will first be in operation on a broad scale, it is understood that it has important applications to

other fields of knitting, including outerwear. Its first use in hosiery is, therefore, being followed with interest by those producing knit goods of both kinds.

Within the hosiery field, first efforts were being concentrated on applying the positive feed to seamless hosiery machines. But according to W. A. Dutton, Director of Research at H.A.T.R.A., the unit would eventually be available for fitting to all types of half-hose machines, including those having jacquard and links-and-links patterning. Three to four hundred units had been ordered and, after devising modifications appropriate for eight types of model K machine and several others, it was decided that the device should be produced by a machine builder, and Bentley was, therefore, designated for this purpose.

Because of the considerable interest shown by British members in the positive feed system, assurances were given that everything possible was being done to speed up production and delivery.

Basic Concept Detailed

P. Stacey of H.A.T.R.A., presented an exposition of the basic concepts involved in the positive feed system and how it operates.

He pointed out certain economics consequences produced by the problem of dimensional variation which the positive feed seeks to correct. The need to knit initially more than required of a certain order in a certain style and size is eliminated by means of this system—or, alternatively, it avoids the need for remaking some garments of a particular style in order to fill the order. Mr. Stacey referred to a further "submerged factor," that when dimensional variations occur, one or more members of the factory staff are detailed to correct it and are therefore diverted from production work.

Dealing with the causes of dimensional variations, Mr. Stacey said that whatever the factor it was always accompanied by a change in course length. Defining course length as simply the length of yarn knitted into a complete course of fabric, measured in inches, Mr. Stacey added that, obviously in the case of plain fabric, course length is the same thing as stitch length multiplied by the number of needles on which the course is knitted.

He described the use of H.A.T.R.A.'s Course Length Tester. "The sample whose course length is to be measured is first cut coursewise and the yarn is unraveled carefully until it can be pulled undone continuously. A short wale wise cut is then made from the unraveled edge, and individual courses can then be pulled off for measuring.

"Each course is suspended by one end from a special clamp, and another weighted clamp is attached to the free end. The course hangs in front of a scale and its length can be read off. If the number of courses is kept constant, it is reasonable to assume that garments with constant dimensions will be knitted."

After explaining the basis of the theory of fabric geometry, upon which all work has been based Mr. Stacey considered the way in which dimensional variations affect other properties of knitted fabrics, bearing in mind that these variations are nearly always brought about by changes in loop length or course length.

Shrinkage, Pilling, Snagging

"Some of the properties which come to mind immediately are shrinkage, pilling and snagging. Any change in course length produces a change in the shrinkage properties of an article and this change can be reflected both in the finishing of the garments, and during subsequent washing by the user.

"In other words it is possible, under ordinary conditions, to produce from the same machine and the same yarn a quantity of goods which completely satisfy the customer as regards shrinkage in wear and during washing. But it is also possible to go to the other extreme and inadvertently

produce articles which are totally unsatisfactory from this point of view.

"Then again, change in course length or loop length is one of the most important factors controlling pilling. The slacker the knitting, the more likely is pilling to occur, and the larger will be the pills formed in a given time.

"A further effect is that the slacker the knitting the easier it becomes to snag. This is probably partly because the loops are larger, and bend out of the plane of the fabric more, and hence are more easily caught by any rough surface, and partly because the yarn pulls out more easily from a slack fabric than a tighter one.

"Yarn variables such as count and twist," stressed Mr. Stacey, "fall fairly and squarely into the spinner's or throwster's lap and once the yarn has been produced any variations cannot be put right. While most other faults and difficulties can be attributed to knitting, they also occur in finishing. However, the more consistent the knitting the better chance the finisher has of finishing them consistently.

A System-Not A Gadget

"The system consists not only of an electro-mechanical device, but also of a systematic procedure for recording quality control. This is why it is called a system, instead of being referred to as a gadget.

"The device itself works by ensuring automatically and continuously that the course length of knitted fabric is kept constant while the fabric is actually being knitted. This it achieves by feeding forward to the knitting point a known and constant length of yarn for each machine revolution. On half hose and seamless hose machines the yarn is fed forward on the nip-roller principle, the rollers being of a known size and, being geared to the machine, of a known surface speed in relation to the machine speed.

"The recording procedure which goes with the system involves the use of course length as the standard method of quot-

(Continued on Page 52)

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Advantages Of Positive Feed Device Studied By British Knit Goods Men

(Continued from Page 51)

ing knitting stiffness: This means that once you have decided, by personal assessment based on experience, the handle and quality of the goods you require, their knitting stiffness can be expressed by a scientific measurement.

"The positive feed equipment is so designed that is can be quickly set up to this scientific and definite expression of knitting stiffness at any time, and it will then maintain this quality indefinitely. In other words, the knitting machine can now be made to knit and maintain the exact stiffness required.

Predetermine Characteristics

"By employing fabric geometry and positive feed, we can work out whatever dimensions, weights, and other characteristics a fabric is going to have even before we start knitting.

"This", Mr. Stacey pointed out "is a tremendous step forward."

Mr. Stacey continued: "Mathematical equations are somewhat awkward to use, so in order that the positive feed system can be used to the full with the minimum of calculations, we are designing simple slide rules to use instead of equations. Here is the first one, which is for plain knit fabrics only. It consists of three discs pivoted about the centre. The top disc is only required for weight calculations, but using the other two discs, if two factors are known, such as loop length and number of needles, we can immediately read off weight per square yard and weight per running yard for both cotton and wool in either the dry relaxed or wet relaxed condition.

"A variation in course length either through accident or design is the cause of many of the production delays that the manufacturer suffers in the knitting room. Many of them, although considered as separate problems, actually have this same origin, that is, they start with a variation in course length. I propose to take a brief look at a few of them and to trace the steps usually taken to overcome them when, and as, they arise. I shall follow this by showing how the

positive feed system can be used to enable manufacturers to streamline or even omit these remedial processes.

"I have tried to select problems that are a cross-section of the many that are found in the knitting room.

"If the positive feed system is employed the procedure for quality changing is simplified merely by changing the roller size according to information that would be recorded alongside the number of courses and yarn type," said Mr. Hopkinson.

"No matter how long it is after samples have been made that the bulk order comes through, the machine can simply and with confidence be changed to produce that order."

J. Hopkinson, who is also of H.A.T.R.A., in his discussion of the positive feed system, emphasized that while the constant tally check on quality measurements is obviated, there was no risk of having to make machine adjustments in order to meet quality changes. Said Mr. Hopkinson:

"The positive feed will nevertheless produce garments that will give a spread; everything produced from the finest steel components to planks of wood have tolerances but the spread will be much reduced from that you have just seen. The fact that no adjustment is possible without a roller change will also prevent what small spread there is from being increased.

"Not only will the positive feed maintain the required quality but the nearest one needs to be a knitting machine for instance, to see what quality it is knitting is as near as you have to be to see that this red or this is blue. For the color will tell you immediately from, say, the end of the alley which quality the machine is knitting. A red roller will give 34 inches of yarn per course; a yellow 37 inches and so on. You can have no other quality in terms of course length than that determined by the roller which is on the machine.

"The 1 inch change in course length gives difference in quality of about 3 per cent. Such a fine

(Continued on Page 55)

Swimwear Fabric Machines Abroad

(Continued from Page 25)
no disadvantage in the finished product.

The Albiquard Circular Jacquard Machine has a 30 inch diameter cylinder and 24 feed. It is available in 16 gauge and 18 gauge. The machine is fitted with an infinitely variable individual drive, automatic brake release and slow starting speed. The yarn feed wheels have a nine-step fine regulator, and yarn stop motions positioned at various points along the path of the yarn from the yarn package to the needles act in the event of bobbin drag, empty package or yarn breakage. There is also a needle detector installation which acts in the event of needle breakages and needle load-ups. Figure 4 shows a section of the yarn feed wheel equipment.

A special rubber yarn feed attachment for the manufacture of elasticized swim suits has been developed for use on the Albiquard machine. The attachment is shown in Fig. 5 and,

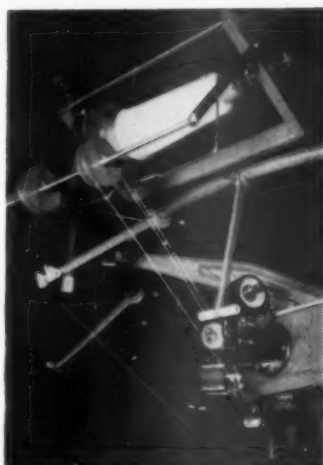


Fig. 5. Albiquard: The Rubber Yarn Feed Attachment.

as can be seen from the photograph, the number of rubber thread ends taken to the needles depends upon the type of structure that has to be knitted. Up to 6 rubber threads can be incorporated into the fabric, so that every fourth loop contains a rubber thread. Generally speaking the yarn is laid in and not knitted in.

The Swiss French sinker

wheel machine built by the Schaffhouse Knitting Machine Works and marketed under the trade name "Waga" merits special attention, since here is a circular bearded needle machine where the ability of knitting with rubber yarns is one of the central features of the machine.

Four feeders of this high production machine are equipped with a special feed wheel attachment for feeding rubber yarn to the needles. The attachment is patented and ensures that the highly unstable rubber yarns are fed to the needles at a very uniform rate. There is no need to subject the rubber yarn to a special preparatory process prior to knitting. It can be wound on to ordinary yarn packages and any unevenness in tension in the yarn as the latter is pulled off the package during knitting is automatically evened out by the feed wheel attachments.

By adjusting the attachment it is possible to alter the degree of elasticity in the fabric as much as 20%. If it is desired to knit fabrics with ordinary textile yarns, the rubber thread

attachment is simply put out of action. The most suitable diameter and gauge for machines knitting rubber yarns is 26 inches and 26 fine. This special machine can, however, be delivered in any other diameter and gauge. The rubber yarn is laid in and the machine can also be fitted with inlay attachments to produce laid-in or fleecy fabrics.

This is a six-feed machine of which four are equipped with patented inlay attachments for feeding rubber yarns. Elasticized fabrics can be produced in plain fabric or plated and cut presser designs. The Waga machine is built for overhead drive and the large detachable sinker wheels are fitted with special attachments which permit the easy setting of the stitch cams for stitch length control. Most of the gears in this machine are covered in and are thus well protected against dust and lint. An electric stop-motion acts in the event of yarn breakages.

The automatic fabric take-up leads the fabric into a stainless steel container. Plain fabric (Continued on Page 56)

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Pullovers Outrank Cardigans At New England Apparel Travelers Showing

BOSTON, Mass. — Pullover styles were outselling cardigan styles about two to one at the New England Apparel Travelers showing at the Statler-Hilton here from June 19 through 23, and long sleeves appeared to be favored over three-quarter lengths. Several of the selections were brought out in May and not shown hitherto and business was said to be brisk for at least two days of the affair.

There was more of the new grape shade in evidence than seen elsewhere this season and those exhibiting lines in which it has been used prominently, say sales are on a par with loden and gold offerings.

Fairfield Knitwear has added a new pullover for fall, 82 percent mohair and fine Australian wool, with all-over horizontal striping in green, brown or grape with gold. This has a V lap-over neck about an inch and one-half wide. The same stripe pattern and colors were brought out earlier in the season in shawl collar and cowl styles.

A new bone shade is also being used with grape, green, gold or brown by Fairfield with the colors worked into a chevron yoke pattern in jacquard extending about eight inches deep from the shoulders down the chest. This is a brushed wool sweater offered in boatneck or hood fashions.

Among the novelty fabric selections, Fairfield has a three-quarter sleeve cardigan made up in a rack stitch and decorated by panels of loop or chain stitching extending down either side of the front and along the top of the sleeves. This has a mock turtle collar and is trimmed with five buttons of matching shades. The style is available in grape, bramble brown, topaz gold and bayleaf green.

Helanca sweaters are particularly popular in industrial towns, according to Murray Katz, representing Fairfield, because of their quick washing and drying properties. One favored style is a long sleeve pullover with a mock turtle neck decorated with a little detail worked into the stitching. These sweaters have been made up in a wide range of about twenty colors.

A wide variety of collar styling was used in Wanner Textile Company's Primette line, a selection of light blouses of cotton knit on circular machines. One short sleeved style on a high V, had the tab endings of one side slotted into the other with both tabs buttoning down at the points. This was offered in solid shades of sand, black and violet. This firm also had V necks extending into hoods on light slip-ons of gold, blue, red or white. One novelty black selection was trimmed with red and white stripes, sewed together and used about the neck and at the joining point of the short sleeves and the body of the garment.

Plaids made up of one inch squares and combinations of blue, green and black; red, gray and white, or gold, brown and black have been used for a line of T-shirts in the Queen Knitting Mills line of cotton casuals. These had the pointed hem line, three-quarter sleeves and a small cowl neckline.

Convertible Turtle Necks

Turtle necks convertible into V's were used for a line of cotton flat knit pullovers offered in solid shades of red, loden, beaver brown, black and stone blue. These had the straight out-or-in waist, three quarter sleeves and there were three buttons on the placket and two buttons on the collar used when worn as a turtle neck.

Queen casuals coordinate with the company's own line of Italian-style slacks. One novel cotton boucle boatneck had an all-over pattern of one inch stripes running horizontally with rows of black and white pin stripes alternating with a mottled green and black band. A six inch panel of the striping was sewed down the center of the front so the stripes extended vertically to contrast with the body of the garment. Combinations of black, loden and two-tone browns were also used to make up this fabric pattern.

Long sleeved shirts with mock fashioned collars and a three button trim on the placket were offered in brushed wool by Beldoch-Popper in more than thirty shades. Brushed wool was

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Pac. N.W. Group Run One Combined Show

(Continued from Page 50)

The classics, in pastels, are expected to increase in importance in the holiday line.

Angora, in a fifty-fifty mixture with wool was selling nicely. Dresses feature pebble knits and are shown in several styles, designed for an age group ranging from 15 to 24.

Handley finds increased activity in the green and brown shades—with an intense blue and a fire engine red still very active. Black, too, is good.

Travis Drum, veteran knitwear salesman, presented lines from a number of companies—affording a full variety of bul-kies, fur blends, and others. Lines represented included Stockton Manufacturing Company of Dallas, Texas; Casual Classics, Chicago; Angelli Knitting Mills, Winona, Minnesota; Arkwright Manufacturing Co.; and Designers Knitting Mills, Manchester, New Hampshire.

New to the women's wear trade in this country are the sweaters in Viyella yarns, made in Britain by Clyde and manu-

factured into sweaters at the latter's Designer mill in New Hampshire. This yarn, of 55 percent Australian lamb's wool and 45 percent long staple combed Egyptian cotton, has been used on the other side of the Atlantic for 70 years, according to Mr. Drum. It has a replacement guarantee against shrinkage or fading.

Styles from the Manchester mill include a cable stitch; several classic styles, including some with standard types of collars; and an open-fronted, buttonless jacket in baby links-and-links.

Pullovers Ahead At New England Show

(Continued from Page 54)

also used by this firm for a new hip length tunic style that has a boatneck and a double rope tie about the waist. This novel garment was offered in red, purple, spruce green, Canton blue, black, gold and medium grey heather.

Intarsia patterns of jacquard, in wool and in Orlon, made up in boys' pullover and cardigan styles for girls, predominated in the Jane Irwill line. These in-

tricate patterns combined gold, black and white; mint, black and white and white, black and red with the decorative designs in eight inch panels across the shoulders and chest and about the cuffs and hem. Popcorn, mesh, and chain stitching was used for these bulkies and collar styles varied from pointed types to shoulder wide shawls convertible to cowls.

Chevron Pattern

One highly complicated pattern, used on a seven button cardigan, consisted of red and white chevron stitches speckling the black body of the sweaters and paneling with horizontal bands of white decorated with red and black jacquard designs. Another novel fabric pattern was made up of an all-over astral design of white on black, and other combinations.

Name Change For Rose

Rose Infants Wear, Inc. is the new name for Rose Knitting Mills, according to Joseph Dubno, president of the company. The firm, located in New York City, manufactures infants' shawls, sweaters, bootie and legging sets.

Positive Feed Device

(Continued from Page 52)

difference between qualities that is available using positive feed it has not previously been possible to set and maintain, for we have frequently found differences in quality of 12 per cent between machines reputedly knitting the same quality. We can therefore now give you with positive feed four distinct qualities within the limits of what in some cases was considered the inevitable spread of one quality.

"In conclusion, we feel that by using the positive feed system many of the problems which are now regarded as inevitable will disappear and this will enable a smoother flow of more consistent products than has hitherto been possible."

Saco-Lowell Names Head

BOSTON, Mass. — M. Earl Heard, Jr., has been promoted to assistant to the vice president of Saco-Lowell International Division. Since 1956, Mr. Heard has been sales engineer in the company's Atlanta, Ga., district sales office.

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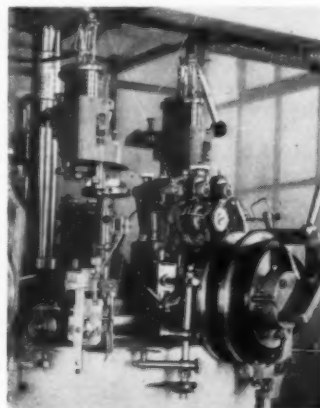
(Continued from Page 53)

with laid-in rubber yarn can be produced at a rate of 38 yards per 8 hours. The width of the fabric tube depends of course on the tension with which the rubber yarn is fed to the needles and on a 26-inch diameter 26 fine machine the following figures are available: Width of

the flat tube if the rubber thread is fed under strong tension, 37½ inches; if the rubber yarn is fed under normal tension, 41 inches; and if the rubber yarn is fed under slight tension, 45 inches.

The machine is available with the necessary attachments for knitting plain or figure plush with rubber yarn laid in, and an individual motor drive.

Ed. note: (Other European circular knitting machines for producing elasticized swim fabrics will be treated in future issues.)



Detailed view of rubber feeders on "Waza" French sinker wheel machine.

J. Washburn Is Elected

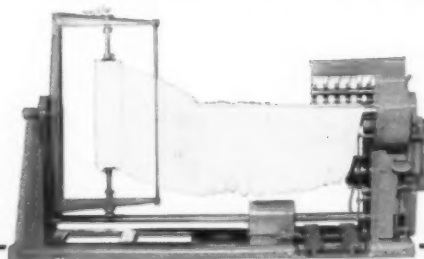
WEST HARTFORD, Conn.—The Merrow Machine Co. of Hartford, Conn., has announced the election of John M. Washburn Jr. to the position of secretary and a director.

Mrs. Lily Markowitz Dies

Mrs. Lily Markowitz, wife of Jack Markowitz, president of Falmark Fabrics, died suddenly on Tuesday, July 12.

She is survived by a son, Martin, secretary and treasurer of the firm.

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Official Data On Japanese Sweaters Quota Given To NKOA By State Dept.

(Continued from Page 1)

knitted fabrics, consisting of more than 10 percent wool by weight. Sweaters consisting wholly of cashmere or other fur fibers are not included in the quota. We are informed that the Japanese Government has not made any changes in the types of sweaters covered by the quota since the program was instituted and that none is contemplated."

In order to understand the discrepancy between the monthly sweater statistics published by MITI and the insistence by the Japanese authorities of their adherence to the sweater quota, Mr. Korzenik specifically requested the United States Embassy to ask for official Japanese export statistics on sweaters subject to the quota. The Japanese Government replied that it considered that it was not in a position to undertake the publication of such data on a monthly basis. Nevertheless, it did supply information on the level of exports of sweaters under the export control program. According to the Embassy report, said Mr. Korzenik, the total exports to the United States of sweaters subject to the quota were 249,229 dozen in 1958, and 257,395 for the period January-September, 1959.

"But these figures provoke fresh puzzlement," said Mr. Korzenik. "For, if in the first nine months of last year there were introduced into our market 257,395 dozen Japanese sweaters that were subject to the quota, and if the quota through September was still that originally announced, namely, 260,000 dozen, the obvious question is what effect the quota restriction could have had upon exports during the last three months of 1959."

It may be assumed, he continued, that although reports from Tokyo appeared only last week in the trade press that MITI officials have decided to allow exports in 1960 to rise about 10 percent and possibly up to 300,000 dozen, the probability is that they issued export permits for last fall either in excess of their announced quota or they modified the quota at that time without announcing it, which in effect amounts to no quota at all.

"Some further statistics, declared Mr. Korzenik, "were obtained through the channels of our State Department on the quantities of sweaters subject to the quota that were exported from Japan in previous years. But when these are compared with the total monthly statistics previously issued by MITI, the effect is not at all clarifying. For example, in 1958 the total monthly figures for sweaters of wool and other animal fibers, that is, including those covered by the quota and those not restricted, amounted to 242,151 dozen. Yet, the Japanese Government informed our Embassy that the total export of sweaters subject to the quota that year was 246,104 dozen. How can a part be greater than the whole?"

"Again, in 1957, the regularly published MITI figures showed a total of 224,612 dozen sweaters exported to the United States consisting of wool and other animal fibers. Yet, according to the figures given our Embassy, the total of sweater exports subject to the quota in that year was 224,227 dozen. Here the two figures are so close as to make it appear that the entire classifi-

(Continued on Page 60)

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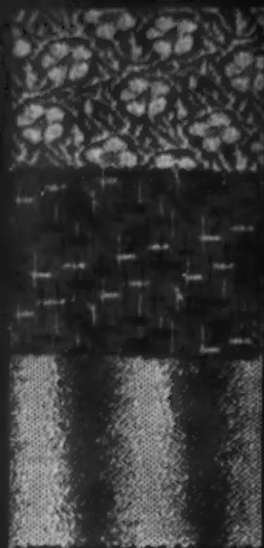
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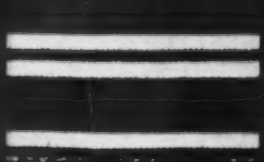
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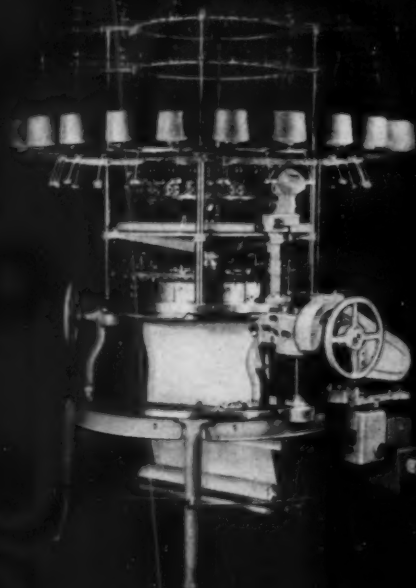
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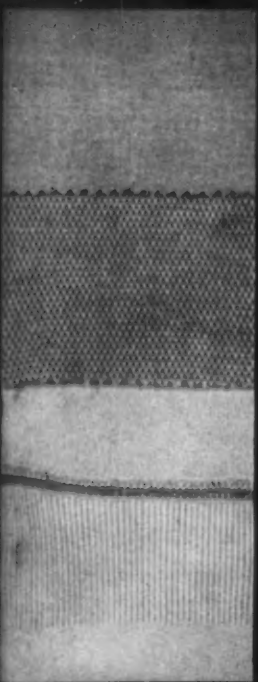
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Duskin Mfg. To Produce Knit Fabrics For Swim, Sportswear At New Locale

SAN FRANCISCO, Calif.—Duskin Manufacturing Company has taken over a new location at 450 Alabama Street, here, for the exclusive production of knit fabrics for use in swim and sportswear. The firm will maintain its sweater operation, under the label "Bams Knits," at 3221 Twentieth Street.

The company has been experimenting for many months on swimwear, and has been producing fabrics on a limited scale for certain select manufacturers.

With the new location, it will be in a position to widen its scope and offer many special services.

Max Duskin, head of the firm, indicated that he expects to be able to give 72-hour service to manufacturers and also plans to arrange with dyers and finishers in the Los Angeles area to complete various finishes on any type of Duskin fabrics.

Knits of Many Gauges

The house can provide knits of many gauges, varying from

very heavy to fine and can offer exclusives to manufacturers. As the operation develops, stocks for immediate use will be kept on hand both in San Francisco and Los Angeles.

All Fibers Used

The new location comprises 1800 square feet with 14 spring needle knitting machines being used. All fibers including Acrilan, Orlon, and mixed combinations such as various synthetics blended with wool or cotton are being used. For swimwear fabrics, they are all knit with an elastic thread.

For the 1961 swimwear season, the Duskin fabrics highlight textured surfaces which, while looking rough, are knit to feel soft and supple. Emphasis for the coming swim season is on short brushed, fur-like material in a wide variety of interpretations. Other surface interest knits, such as nubs, are also being offered. A linen nub Lastex (linen, rayon, and cotton), which has proved very successful in

(Continued on Page 60)

NOTICE

TO KNITTERS, NAPPERS AND SHEARERS

On June 28, 1960, a Patent was granted to the undersigned by the United States Patent Office. The number of the Patent is 2942443.

This patent represents an advance in the art. Specimen claims of this Patent are in part as follows:

A continuous knitted strip of garment bodies having a first portion of interlocked stitching on a first garment body, a second portion of ribbed stitching on a second garment body, and an interconnecting portion between the interlocked stitching and the ribbed stitching, said interconnecting portion including a course of stitches in which the loops of the stitches of some of the wales overlapped the loops of the stitches of adjacent wales and the overlapped loops are secured together by a subsequent course of stitches.

A knitted continuous strip of discrete garment bodies comprising a first discrete knitted garment body, a second discrete garment body of ribbed stitching, one end of said second garment body extending along one end of said first garment body, an interconnection including courses of stitches connecting said one end of said first garment body to said one end of said second garment body, said first garment body having more wales than said second garment body in any given width dimension of said garment bodies, some of the wales in said interconnection extending over and being secured to adjacent wales so that said interconnection provides an ending for the first garment body and a conversion to the ribbed stitching of said second garment body without providing any loose stitches capable of being caught by a napper, said interconnection including cast-off stitches on an inner surface so as to prevent said cast-off stitches from being caught by a napper, a sheared nap on an outer surface of said garment bodies and said interconnection, and a separator thread knitted in said interconnection so as not to be caught by a napper and extending across the full width of said interconnection.

A knitted continuous strip of discrete garment bodies comprising a first discrete knitted garment body, a second discrete garment body of ribbed stitching, one end of said second garment body extending along one end of said first garment body, an interconnection including courses of stitches connecting said one end of said first garment body to said one end of said second garment body, said first garment body having more wales than said second garment body in any given width dimension of said garment bodies, said interconnection including cast-off stitches on an inner surface so that said interconnection provides an ending for the first garment body and a conversion to the ribbed stitching of said second garment body without providing any loose stitches capable of being caught by a napper, a separator thread knitted in said interconnection so as not to be caught by a napper and extending across the full width of said interconnection, and a sheared nap on an outer surface of said garment bodies and said interconnection.

The undersigned are prepared to issue licenses under this Patent upon a reasonable basis. Infringements of the patent rights will be prosecuted to the full extent allowable by law.

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Japanese Sweater Quota Details

(Continued from Page 57)

cation of published figures coincides almost exactly with the kind of figures subject to the export quota. The same is true for 1956 and 1955. Whatever the types are that are excluded from the quota but included in the published figures, they seem to be growing."

Doubt Japanese Gov't Efforts

Doubt, therefore, increased in the sweater market as to whether the Japanese Government seriously intended to restrict sweater exports to a reasonable level or whether the announcements emanating from MITI in Tokyo were merely to increase buyer interest here by talk of limitations on supply. The latter impression was clearly gaining ground.

There was some fear expressed in some quarters that the Japanese tendency to discard its announced restraints indicated that in the wool sweater market they were heading for the same kind of over-supply that backfired on them in other domestic markets which they exploited without restraint.

"Unless the Japanese limit themselves to reasonable quantities," Mr. Korzenik declared, "the success of the Japanese sweater will ultimately rebound to their own detriment. When that happens, unfortunately many others, including American retailers and manufacturers, will be hurt."

List NKOA Inquiries

The inquiries which the Association originally presented through the State Department channels to the Japanese Government included the following:

1. Does the Japanese Government confirm or deny the facts stated above concerning the limitation it imposed upon the shipments of sweaters of wool and related fibers from Japan to the United States and Canada, and the figures on exports set forth above? If it denies these reports, will it please furnish the proper information?

2. If the facts stated above are correct, the American industry would appreciate being informed as to the purpose of the original quota for 1959, whether it has been abandoned, and a copy of

the official text of the original quota announcement.

3. Noting that the export association of Japan has been reported as stating that the previously announced sweater quota is still in effect, we ask whether this is in fact the case; and if the announced quota is still in effect, will the excess over the quota exported this year be compensated next year by some adjusting formula?

4. If the quota has been abandoned, was any official public statement made to this effect in advance of the point when actual shipments exceeded the previously announced limit; and, if so, when was it made and to what effect? And if there has been such abandonment, does the Japanese Government take the view that it should set no limit upon the quantities of such sweaters to be exported from Japan to the United States?

5. If the Japanese Government deems it desirable to set reasonable limits on the export of sweaters to the American market, will it also establish such limits for sweaters other than those made of wool and animal fibers?

As Mr. Korzenik indicated only a limited portion of the information requested was made available by Japanese officials.

New Duskin Mill Opened in Calif.

(Continued from Page 59)

the past, will be continued.

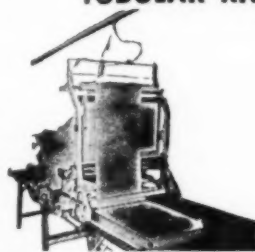
In swimwear colors for the coming season, Mr. Duskin believes that beiges, browns, golds, and greens, as well as the usual staples, will be in demand. Any color can be developed by the firm within a 48-hour period.

As far as gauge goes, Mr. Duskin reported that they are concentrating on fine, firm fabrics with surface interest.

Roy Pierce is in charge of knitting and designing of fabrics.

Moving the swimwear set-up out of the Bams Knits building has given more space for the bulging sweater operation and nine new Leighton Racker machines were recently added there. A modernization program on all equipment is currently going on at the Bams plant and will probably be completed around September 1.

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Forecast Economic Gains For Sweater Manufacturers Using New Zipper Idea

Nynco Zipper Co., New York City, forecasts many economic benefits for sweater manufacturers as a result of its development of continuous separable zippers on spools for the continuous sewing into front openings of sweaters.

Output of the workers' production of sweaters in the mills is expected to increase five fold when the continuous method of sewing separable zippers is applied, as compared with the individual method now being used, said Ira Radovsky, sales manager of the zipper concern, which is an affiliate of New York Notion Company, Inc.

Mr. Radovsky pointed out that when using individual, separable zippers, the operator must handle one zipper at a time. He takes a zipper from a box, places it on the sewing machine table under the foot, and sets the fabric in place. He sews half the zipper in one direction and then, reversing the sweater, sews the other half zipper in the opposite direction. He repeats this process for each zipper he sews.

When using continuous separable zippers on spools, the previous steps are eliminated. A

spool containing 250 separable zippers, joined together in a continuous length, is set underneath the sewing machine on a bar. The operator sets the first zipper under the sewing machine foot. He places the long lengths of border strips on top of each side of the zipper and then presses the pedal. The zippers and borders proceed through the machine without stopping. The only reason for stopping is to set a new spool in place.

The Nynco company claims that by using the continuous separable zipper method, operators are able to sew separable zippers onto borders at a minimum rate of 140 dozen a day, compared with present production of 24 dozen a day under the individual method.

"With increased production assured, the sweater manufacturer will benefit because he will be (Continued on Next Page)

all under one roof

From Fiber to Finish Each step from spinning to dyeing is quality-controlled by Glen Raven, the only resource that follows through from raw to finished hi-bulk orlon colored yarns • Long staple yarns for classics • Package-dyed high bulk for bulkies...dyed at Glen Raven • Stock-dyed heather in all deniers • Yarns designed for napping and shearing • Bulky yarns from long staple orlon •

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For further information: Sheldon B. Meiman



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New Zipper Idea For Knitted Items

(Continued from Page 61)

able to handle more orders. Many sweater manufacturers turned down orders for separable zipper front sweaters in the past because the rate of worker production under the individual method was too slow.

"Another advantage of the continuous method," Mr. Radovsky stated, "is that it will afford precision sewing. Formerly, the operator worked by eye and the quality of work was based on his skills. Now, skill no longer regulates the quality of the work: the machine attachments do the job."

One of the leading sweater manufacturers has already adopted the continuous separable zipper method of sewing zippers on sweaters and it has proved successful, Mr. Radovsky declared.

Nynco has United States and foreign patents pending on the continuous separable zippers on spools.

The firm believes that it will "revolutionize" the sweater industry both here and abroad.

Grajew Firm To Close, Pres. Headed Abroad

The office of E. M. Grajew Wool Company, New York City, will be closed on July 20 for a period of six months as E. M. Grajew, president of the firm, will be embarking for Europe and Israel.

Mr. Grajew has been asked by a large European wool concern to explore its possibility of building a plant in Israel for sorting, carbonizing and washing wool.

The Asian and African countries lack such possibilities for sending their production for such processes. The process mainly depends upon the efficiency of the water supply and whether the compound of water is favorable for this purpose it has been noted.

Amer. Viscose Dividend

A dividend of 50 cents per share on the common stock, payable August 1 to stockholders of record at the close of business on July 20, has been declared by the board of directors of American Viscose Corporation.

INDEPENDENT CHEMICAL CORP.

is now stocking at three locations, serving the Atlantic Coast with quality products.

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Amer. Cyanamid Moves Ripley From N.Y. to N.C.

Thomas M. Ripley, technical service representative for American Cyanamid Company's Fibers Division, has been transferred from New York to the Charlotte, N. C. office.

A specialist in fiber processing operations, Mr. Ripley joined the company the beginning of this year, coming from Klopman Mills, where he was for two years general overseer of spinning at the Ramseur, N. C. worsted mill. Prior to this, he was with J. P. Stevens & Company and Robbins Mills.



KLARA HAVAS

American Viscose Adds 2 To Phila. Sales Force

PHILADELPHIA, Pa. — American Viscose Corporation's film division has added Bartholomew J. Vattieri and Richard D. Trainer, Jr., to its district sales force in this city.

Mr. Vattieri advances to sales representative from statistical sales clerk and Mr. Trainer has been assigned a sales territory including western Virginia north of Lynchburg and Roanoke, and a section of southeastern Pennsylvania.

Fair-Tex Names Havas New Designer-Stylist

Klara Havas has been appointed designer-stylist for Fair-Tex Mills, manufacturers of knitted fabrics.

Prior to her previous employment by Alamac Knitting Mills, Mrs. Havas lived in Budapest, Hungary where she was well known as a stylist and artist both before and after the war. Three and a half years ago she and her family walked to freedom during the October revolution.

glen bulk

The yarn for bulky sweaters America loves.

glen bulk, the knitter's best friend,
natural and dyed yarn. Also for brushing.



For further information: Sheldon B. Meiman

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Time Recorder Graph For Knitting Mills

Several knitting mills throughout the country are using Standard Instrument Corporation's new 2-Channel Time Recorder, an instrument designed to record and compare productive time of plant and office equipment.

In the knitting mills the instrument is being used to measure productive time as against down time, a spokesman for Standard stated.

The instrument graphs simultaneously, on a single strip chart, the operating patterns of two machines, two functions of the same machine, or any two processes. It may be connected to distinguish between actual productive time and nonproductive idling time.

According to the company, the recorder offers unlimited possibilities for automatic monitoring of production lines, plant systems or individual machines.

A few of its applications are: analysis of operation pattern of any machines; productivity comparison of two machines; determining ratio of any operating function to any other; recording

press impression time compared to total operating time, including wash-up, inking, etc.; and recording productive time of packaging equipment compared with total running time.

Men's Knitted Outerwear To Be Previewed At Show

Some knitted outerwear will be included in the men's fashions to be previewed by The American Institute of Men's and Boys' Wear on Thursday, July 21 at a luncheon-fashion show for newspaper women from all over the nation who are attending the semi-annual "Press Week," sponsored by the Couture Group of the New York Dress Institute.

The luncheon is slated for 12:30 p.m. and the fashion show will begin at 1 p.m. Both will be held in the Grand Ballroom of the Hotel Pierre, New York City.

List Mill Factors Stock

The common stock of Mill Factors Corporation was listed on the American Stock Exchange and trading commenced on July 7. 2,400 shares were traded the first day. It opened at 12½ and closed at 13.



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Express Rate Cut Helps Miami Mfrs.

MIAMI, Florida—A boon to Miami's multimillion-dollar apparel industry, which includes knitted outerwear, and swimwear will be the rate slash in Railway Express Agency charges for shipments to all parts of the United States, manufacturers here emphasized.

Irving Spero, general manager in charge of traffic and sales for Alix of Miami, women's sportswear and swimwear firm, declared "We look for considerable savings for our customers. It undoubtedly will get them to purchase more goods because of lower shipping charges and faster delivery."

C. J. Ritter, chief clerk for Railway Express in Miami, said that although the New York office estimates saving of 18 to 46 per cent nationally, it should amount to 25 to 51 per cent for Miami.

"That's because manufacturers here ship farther and more often," he said. "Right now it's the slow season for apparel

shipments, but we expect a boom in shipping during July when manufacturers begin sending out their fall lines to customers all over the country.

Miami manufacturers were jubilant over the news. James N. Kahn, president of the Miami Fashion Council and official in B. S. Kahn & Co., Inc. women's apparel, said, "It's the best thing we've heard in a long time. It should help us sell a lot more goods since retailers will be able to buy more with the cheaper shipping rate. Kahn said the biggest problem Miami manufacturers have in competing with New York, the nation's biggest apparel center, is shipping rates.

Example of Savings

An example of the savings—the old Miami-Chicago rate was \$11.11. Now, if a Miami manufacturer sends between 300 and 1400 pounds, the rate per hundred pounds will be \$9.08. On 1500 to 2499 pounds, it will be \$8.49 per hundred. Apparel experts in Miami estimate the savings for customers buying Miami-made apparel will amount to hundreds of thousands of dollars per year.

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—fine gauge and bulkies

—up to 36 plies at one time

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For further information:
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Your entire success of Orlon Sayelle sweater production depends greatly on the skills of your dyer. We, at Dyecraftsmen, have mastered all the problems of dyeing these elegant new yarns . . . so that the colors are exactly in the wanted shades . . . so that they retain their resiliency . . . their high loft.

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To prove that there is a tremendous difference in the dyeing of Orlon Sayelle, we will gladly dye a sample lot so that you may compare results. Is COLOR your problem? Come to the masters.

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Knit Fabrics On Display At Allen Knitting Mills

The new spring 1961 line of acrylic fiber knit fabrics is on display at the showrooms of Allen Knitting Mills, New York City.

Harry F. Goldman, president of the firm, said that in addition to featuring subdued surface effects, the company is also showing its line of lacey Raschel items for men's and boys' 1961 spring shirts, and that many of the firm's patterns are available in a new 50-50 blend of Acrilan-Corval.

Colors in the Allen line are bronzes, vintage shades, greens of a loden cast and blues, available in a large number of variations.

Men's Knit Sport Shirts Move Fast In Buffalo

BUFFALO, N. Y.—California-made men's knit sport shirts had fast action in the men's sportswear department of Adam, Meldrum & Anderson Co. during a July promotion. Ideal summer weather helped to create an active demand for the

shirts in the downtown store.

The shirts were in heavier knit cotton in a collection of gay patterns and solid colors. With plenty of summer wearing weather ahead, the shirts found an immediate market among Buffalo area shoppers who had held off from making purchases earlier in the season due to cool weather.

71% Of Military Clothing Orders To Small Business

PHILADELPHIA, Pa.—The Military Clothing and Textile Supply Agency, through joint screening of procurement directives with the Small Business Administration, awarded 71% of the total dollars expended during the 1960 fiscal year to small business firms. This was an increase of 1% over the amount awarded during the previous fiscal year.

Total awards to small firms for the fiscal year just ended were \$97 million. Of the total number of contracts awarded, 84% went to small business; an increase of 3% over the preceding fiscal year, Colonel Ivan J. Dykman, deputy, announced.

THE FAMOUS

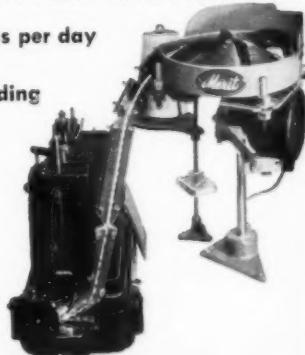
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Federal Spinning Sets Output Goal

SANFORD, N. C.—Yearly output at Federal Spinning Corporation's new \$1 million fiber synthetic knitting yarn plant, which officially opened here recently, will be between 2 and 2½ million pounds, or about 3 to 5 percent of present industry-wide capacity.

Principal product at Federal Spinning's plant is Orlon knitting yarn, as well as other synthetic fibers plus blends with wool and worsteds and all worsteds.

The new plant is utilizing the recently developed Roberts ShortFlo System for making long fiber yarns, and incorporates the latest in textile machinery. The machinery cost approached nearly half the total cost of the mill.

The Roberts ShortFlo System requires a minimum number of processes in the manufacture of long fiber yarns. Many doublings are provided to insure exceptionally good blending of fibers, improved yarn evenness and better strength.

The system includes the complete yarn manufacturing process, starting with tow converters, blending machines, pining and drawing machines, roving frames, spinning frames, winders and twistors.

Federal Spinning came into being when Bennett M. Berman of New York, president of the company and of its parent concern, Bennett M. Berman Associates, New York, decided that as a seller of yarn he would gain many advantages by having his own manufacturing facility. He wanted a Southern industry where he could produce quality knitting yarns for filling a fast growing demand and, at the same time, ensure his own close control of quality cost and production.

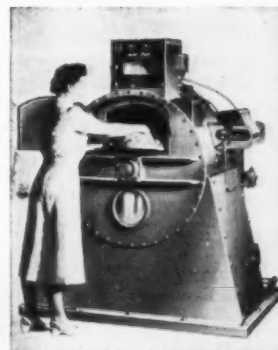
Firm Names McCauley

PHILADELPHIA, Pa.—Richard F. McCauley has been named sales representative in Texas and Oklahoma for Brentwood Sportswear, here, replacing Robert Long. Mr. McCauley, of Dallas, was formerly with Champion Pants Mfg. Inc.

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**SAVES 70% OF TIME AND LABOR
CUTS PROCESSING TIME FROM APPROX.
45 TO 15 MINUTES PER LOAD**

When you are dreaming up those ideal knitted swimsuits and other garments, remember that scientifically preshrunk cloth — the Bill Glover way — holds its beauty and shape to your design. Bill Glover washer-extractors automatically control the water levels, temperature, washing, extracting and fluffing up cycle. In one operation, every ten to twenty minutes, the operator lifts out a load of beautifully processed knitgoods into the dryers and reloads the machine. 25# to 300# sizes.



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STOLL "JBOM/b"

Fully automatic single system plain rib machine with high and low butt needles. Ideal for perfect ribbed bottoms, collars, and cuffs. 4 yarn slide bars, 8 yarn carriers, 63" width. Gauges 4 thru 16.

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Fully automatic double system Jacquard-transfer machine. Unlimited pattern possibilities, with automatic Jacquard and Transfer on both needle beds. Precision construction, with 6 yarn slide bars and 15 yarn carriers, insures constant production. 63" width. Gauges 5 thru 14.

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A new, fully automatic double system Transfer machine for fancy patterns. Transfer with high and low butt needles and push jacks on both needle beds. 8 yarn slide bars and 8 yarn carriers, 63" width. Gauges 5 thru 14. Six needle selective rack.

NEW FEATURE: On request, available with 2-speed motor, automatically controlled to reduce speeds to half for loose course.

STOLL "KAMO/j"

Today's most popular and versatile Jacquard Border machine for multi-colored trimmings. Pattern possibilities in tubular; 1:1; 2:2; cardigan and half cardigan; double Jacquard; and roll-welt. 3 yarn slide bars and 6 yarn carriers. 16" width. Gauges 7 thru 14.

STOLL "JBO"

Hand flat knitting machine, type "Industry". High and low butt needles; 4 yarn slide bars; striping attachment for 4 colors; mechanical 2:2 attachment, which can also knit 1:1 stitch and tuck in same row. On request, plush and plating attachments. 40" and 48" width. Gauges 2½ to 14.

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Early Showing Begun On School Sweaters

BUFFALO, N.Y. — L. L. Berger, Inc. is getting an early start on back to college and fall sweater business in its women's sportswear department.

The store is featuring "The International Set" by Prince of Scotland, stressing that the sweater ensemble is news all over the globe this season.

The slip-on and cardigan set is featured in fine imported shetland wool, with pullover priced at \$11.95 and the cardigan at \$13.95.

The sweater team is offered in white, hunter green, grey, blue, red or beige.

Name 6 To Chemstrand Research, Service Dept.

DECATUR, Ala. — The Chemstrand Corporation has announced six new appointments to positions within the company's applications research and service departments.

Joseph C. Reno and Robert J. Robinson, Jr. will be in dyeing and finishing service and C.

Murphy O'Shields is in textile processing.

Also: J. P. Kimbell, Jr. and Larry L. Crooks will be in dyeing and finishing, applications research and James L. Dockery is in Acrilan technical sales service.

Allied Chemical Division Adds Lanamid Violet 2BL

The addition of National Lanamid Violet 2BL to the expanding line of neutral dyeing pre-metalized dyes of Allied Chemical's National Aniline Division has been announced. These new products will be of special interest to woolen and worsted mills, the company indicated, in view of the growing popularity of grape wine and helio shades.

National Lanamid Violet 2BL is approximately equal in strength, but appreciably bluer than Lanamid Violet RL on both wool and nylon. Its fastness to light and washing and suitability for tippy wool are practically the same as for Lanamid Violet RL. Also, it possesses good solubility and is suitable for low temperature dyeing.

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AATCC Exhibition Will Be Held In Phila. Oct. 6-8

PHILADELPHIA, Pa.—Chemical and dyestuff manufacturers will exhibit their latest achievements in textile chemistry and coloring at the National Convention of the American Association of Textile Chemists and Colorists, October 6th-8th, Sheraton Hotel.

Among the exhibitors will be: American Viscose Corp.; Arnold Hoffman; Becco Chemical Division; Carbic-Hoechst; Chemstrand; Diamond Crystal Salt; Goodyear Tire and Rubber Co.; International Salt Corp.; Morningstar-Paisley, Inc.; Morton Salt; Putman Chemical Corp.; Richmond Oil Soap and Chemical Co.; Rohm & Haas; Sandoz, Inc.; Schuylkill Chemical Co.; Union Carbide Chemical Co. and Wallerstein Co.

Also participating will be Atlas Electric; Arthur H. Thomas; Fisher Scientific; Gaston County Machinery Co.

Railway Express Agency Reduces Textile Charges

Nation-wide express rate reductions of up to 60 percent on shipments of textiles as piece

goods and related dry goods products, became effective July 5, it has been announced by Railway Express Agency.

The Agency also announced recent reductions of 18 to 46 percent in express charges on individual wearing apparel shipments moving prepaid or collect under new nation-wide incentive rates.

As authorized by the Interstate Commerce Commission, the lower rates on wearing apparel apply to individual apparel shipments moving to various destinations when one or more shipments tendered by a shipper at one time aggregate 300 pounds or more.

Stable Market Reported For Australian Wool

BRADFORD, England—Although the Australian wool market was reported cheaper again last week, most leading importers in Yorkshire found that merino combing wools of style and quality remained relatively steady. Any further weakness was chiefly in end-of-season oddments. The London spot market for wool produced almost unexpectedly strong conditions at the opening of this week's sales.

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Glen Raven—the only spinner to package dye high bulk orlon yarns at their own mills—insure a job that is smooth, fast, perfect... in one operation.

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Needlebeds in 2 sections of 24", 30" and 34" width each.

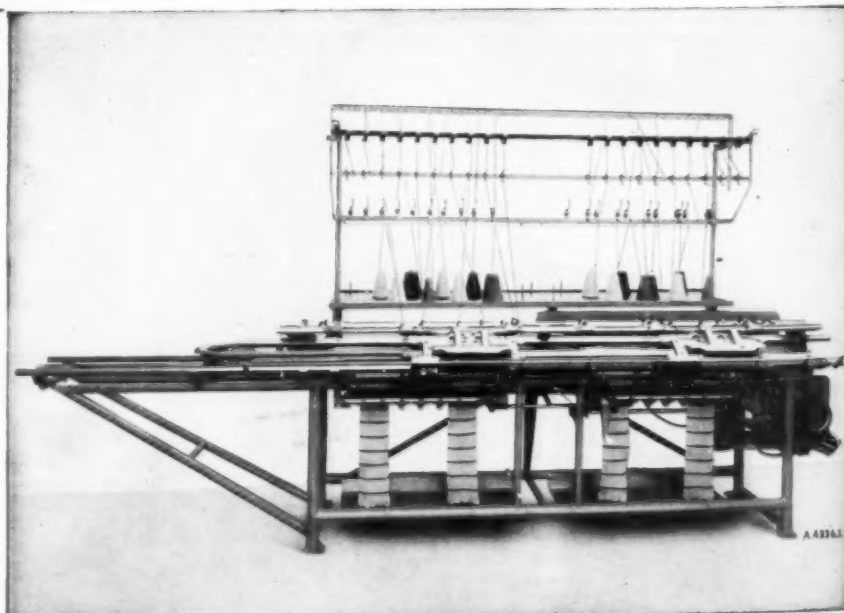
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Minimum loss of floor space.
EASY AND ECONOMICAL TO OPERATE.

Direct threading of yarn from tension to feeders.
PIECES OF UNIFORM LENGTH. REGULARITY OF STITCHES.

Two-speed motor for knitting of loose course.
SECURITY OF KNITTING. LESS STRAIN ON WEAK YARNS.

- D B** — with high and low butt needles.
- D S B** — with independent high or low butt selection.
- D R B** — with independent high or low butt selection and stitch transfer from front to rear and from rear to front.



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Personnel

3 Elevated To Key Posts At Celanese Fibers Firm

Three executive appointments in the Celanese Fibers Company, a division of the Celanese Corporation of America, have been announced.

Louis F. Laun has been appointed vice president and director of marketing, succeeding Peter H. Conze, who was recently named president of the company; Frank J. Fitzgerald has been appointed vice president and manager of manufacturing, succeeding David Taylor, who was named president of Celanese Plastic Products Company; and Laurence T. Gerrity has been named general merchandising manager.

Bennett Is Named Mgr. For Scott & Williams

Scott & Williams, Inc. has named Roy W. Bennett as manager of its Divisional Sales Office in Reading, Pennsylvania, serving customers in Delaware, District of Columbia, Illinois, Indiana, Iowa, Maryland, Michi-

gan, Minnesota, Missouri, Ohio, Pennsylvania, West Virginia and Wisconsin.

Mr. Bennett joined the Reading Sales Division in May 1953, as salesman. He was transferred from the Company's factory in Laconia, New Hampshire, where he started in 1940, in the main Drafting Room.

Fabric Research Appoint New Personnel To Staff

DEDHAM, Mass. — Fabric Research Laboratories, Inc., of this city, has announced the addition of four personnel to its research staff.

Named to intermediate research associate positions are Messrs. G. A. M. Butterworth, Rohit M. Desai, and C. Richard Desper. Miss Elizabeth Cilley has been appointed a research associate.

Pope Given Yarn Post

J. M. Pope has been appointed to the newly-created post of assistant sales manager of the Yarn Division of Collins & Aikman. The increase of duties in the sales department made the new post necessary.

Award Scholarships To Knitgoods Youth

PHILADELPHIA, Pa.—Six \$2400 scholarships have been awarded to children of workers in this city's knitgoods industry, Joseph Schwartz, manager of Knit Goods Union, Local 190, ILGWU, has announced.

Five of the awards were made from a special scholarship fund established by the Union in 1956 and supported by ten cents from the monthly dues payments of each of the more than 8000 members of the union. The sixth scholarship was awarded by the Martin Salgiman Foundation, which honors the memory of the late vice president and founder of Queen Casuals, Inc., here.

Winners of the scholarships are Harvey P. Cheskis, James E. Kozin, Alan J. Marcus, Edward J. Rogozinski, Froma S. Rosenberg, and Walter R. Weeks. They were chosen by a selection committee composed of Dr. Robert P. Brecht, Wharton School, University of Pennsylvania; Dr. Benjamin W. Barkas, supervisor of the Division of School Education, Philadelphia Board of Education, and

Dr. Edwards B. Shils, professor of industry, Wharton School, University of Pennsylvania.

Since establishment of the program, 22 awards with a total value of more than \$32,000 have been made.

Campaign Promotes Summer Sweaters

TOLEDO, Ohio—The Lion Store successfully promoted the sale of women's fur blend dress-maker sweaters with a summer presentation in its second floor sportswear department.

The promotion had a strong layaway appeal for shoppers. The store offered to put any sweater selection in layaway until October for a down payment of \$1.

The sweaters were stocked in a 36 to 40 size range and were described as hand finished. Customers were offered a choice of heather grey, red, black, beige, green or blue.

They were featured in color newspaper advertising and in point of sale display in the downtown, Westgate and Fremont stores.

INTERSTATE

yarn mills, inc.

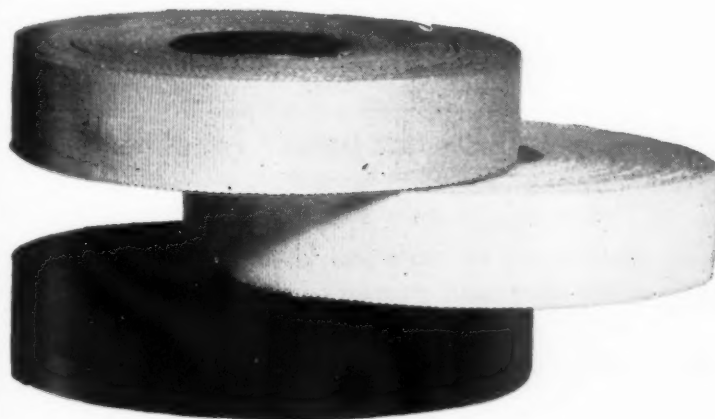
5725 HUDSON BOULEVARD

NORTH BERGEN, N. J.

N. Y. Phone: LO 4-3707

N. J. Phone: UN 5-3116

SWEATER WASTE
SWEATER WASTE
HIGHEST PRICES ALWAYS PAID!
G & N WOOL CLIPS
 55-17 FLUSHING AVE., MASPETH 78, N. Y.
 EVERGREEN 6-0022
 Cable address: Genclips, N. Y. Out of town: call collect
SWEATER WASTE
SWEATER WASTE



RIBBONS ... with a reputation!

FEATURING

- **SPUN NYLON RIBBONS**
Ideally suited for Piece Dyeing of Textured Yarn sweaters
- **ACENYL* RIBBONS**
(warp—filament Nylon; filler—spun acetate)
A shrink-proof dyed Nylon ribbon ideally suited for synthetic sweaters
- **COTTON AND RAYON RIBBONS (Pre-Shrunk)**
In several qualities

A tremendous assortment of colors and shades available for spot delivery in #3, #4, #5 widths

SPECIAL NOTE: We can custom dye ribbons to your specific color requirements. Call, write or wire for information and prices.

J. BURLOCK COMPANY

19 WEST 24th ST., NEW YORK 10, N. Y.

ORegon 5-7705

Selling Agents for THE POST NARROW FABRICS CORP., Andover, Conn.

*Registered Trade Mark #614506

**CALL
US
AT
PENNELL**

FOR TOP PRICES ON
MEN'S AND BOYS'

- SWEATERS
- SWIM TRUNKS
- POLO SHIRTS
- WALK SHORTS

WE'RE ALWAYS OPEN TO BUY
...WE ALWAYS BUY FAIR!

Pennell Sportswear Co., 1384 Broadway, New York 18 • LA 4-9020



**highest prices
paid FOR YOUR sweater
waste**

EVERY FIBER
EVERY GRADE
NO MINIMUM

SKLAR TEXTILE
WASTE
CORP.

47 Rodney St., B'klyn 11, N. Y. ULster 2-4488
24 Hour Service Within 100 Miles of N.Y.C.
We Do Business Throughout the World

Quarterly Dividends Set For White Stag's Stock

SAN FRANCISCO, Calif.—The board of directors of White Stag Manufacturing Co., here, have declared a regular quarterly dividend of 25 cents a share on all Class A common and Class B-1 stock and a dividend of 7½ cents a share on Class B-2 through B-5 common, payable August 15 to stockholders of record August 1.

A dividend of \$1.12½ a share on the preferred stock, payable September 1 to stockholders of record August 19, has also been announced by the company's directors.

Jantzen Sets Dividends

PORTLAND, Ore.—Jantzen, Inc. has declared a quarterly dividend of \$1.25 on its Series A 5 percent cumulative preferred stock, payable August 31 to stockholders of record August 25.

A dividend of 20 cents a share on the common stocks will be paid August 1 to stockholders of record July 15.

Sales Agents

Progressive Names OR&L As Sole Selling Agents

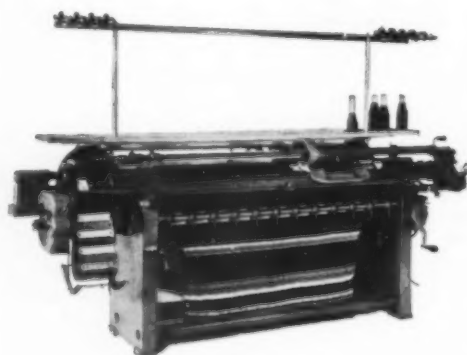
Oxenfeldt, Roudner & Levinson, Inc., has been appointed exclusive sales representatives for Progressive Knitting Mills of Pennsylvania, Inc., Philadelphia, Pa.

The mill is a leading producer of popular-priced men's, boys' and juvenile swim trunks. OR&L will be showing the new line in its New York office after July 25 and will take the line out on the road after August 1.

Kessler Co. To Represent Herbert Mills Company

Max H. Kessler Company, Inc., operating as Cohen, Reeves and Shepard, Atlanta, Ga., has joined Herbert Mills Associates and Herbert Mills Company in representing the latter's line of sweaters and knitted shirts to the wholesale trade.

The territory to be covered by the Kessler Company will include most of the South and Southwest area.



MODEL F8 ALEMANNIA—SEYFERT & DONNER WEST

**The only single lock flat power machine with
71" NEEDLE BEDS**
63" Needle Beds also available

Additional needle space for more economical
production of trimmings and garments.

Built in 3-14 cut.

MODERN — VERSATILE — EASY TO HANDLE

Ask for demonstration.

SERVICE AND PARTS

FOR NEW MODELS
AND ALL MACHINES
PREVIOUSLY DELIVERED BY US

Sole distributors for U.S.A. and Canada

TRICOMA, INC.

7504 Empire State Bldg., New York 1, N. Y.

Wisconsin 7-7466-7

Showroom and Workshop: 303 Stockholm Street

Brooklyn 37, N. Y. Glenmore 6-0205

THE INDUSTRY'S MARKET PLACE

Advertising rates: \$5.50 per column inch per insertion. Positions Wanted: \$5.00 per column inch per insertion. Minimum space — 2 inches. Ads for Monday's paper must be in by preceding Wednesday, 2 P.M. Please enclose payment with your order.

MACHINERY—WANTED, FOR SALE

FOR SALE

New Hand Flat Knitting Machines
4½ to 14 cut, various widths.

TRICOMA, INC.

Showroom:
303 Stockholm St.
Brooklyn 27, N.Y.
Glenmore 6-0205

7504 Empire State Bldg.
New York 1, N.Y.
Wisconsin 7-7466

ATTENTION: BATHING SUIT MANUFACTURERS LISTING FOR SALE

3 VERY UNUSUAL MLW MACHINES

28", 980 needles on 24 feeds when on wheel work, and 12 feeds when on Jacquard, but also equipped to make body lengths with 1 x 1 ribbed cuffs and separations while on Jacquard, or on 22 feeds when on interlock, ribbed or other stitches in body lengths. All the feeds are equipped with 4 color strippers and 48 end electric stop motions. Priced for immediate sale and can be seen in operation on our premises.

BOX 280A

THIS WEEK'S SPECIAL R & S MACHINERY OFFERINGS

- 1—Phila. Jacq. LHB, 4 cut, 30", 6 feed, 3 color strippers
- 1—Phila. Jacq. LH, 6 cut, 30"
- 1—Phila. Jacq. TA, 5 cut, 30", 12 feed
- 2—Wildman PB2, 18" & 24", 8 & 10 cut
- 4—Loopers and tables, model P, 14, 15pt.
- 2—Phila. Jacq. TA, 30", 10 cut, 12 feed, 4 col. strippers
- 1—Phila. Jacq. LA, 9½ cut, 6 feed, 3 color stripper
- 6—Marrow machines, model A3DW1
- 1—Scott & Williams Interlock, 30", 32 feed, 24 cut
- 1—Brinton PR 19, 28", 10 cut pattern wheels
- 2—Phila. Jacq. TJ, 10 cut, 30", 12 feed, 4 col. strippers, automats
- 1—Lamb double head border machine, 7 cut
- 1—Universal Supramat, 12 cut, 62"
- 1—Suprafix border machine, 12 cut, 24", 6 borders at once
- 1—Phila. Jacq. TJI, 14¼ cut, 30", 12 feed, 4 color strippers
- 5—Phila. Jacq. TA, 11" to 20", 4 feed, 6 to 12 cut
- 1—Roto-Coner, 20 spindle, latest style, with waxing attach.
- 2—Phila. Jacq. TAI, 13½, 16½ cut, 30", 12 feed, 4 col. strippers
- 1—Phila. Jacq. LA 15", 8 cut, 4 feed, 2 col. strippers
- 1—Phila. Jacq. LA, 14", 8 cut, 4 feed, 2 col. strippers
- 3—Phila. Jacq. MLW, 28", 11 cut, 24 feed, automats and wheels

STEINBERG BROTHERS

TEXTILE MACHINERY • AUCTIONEERS • APPRAISERS

174 Scholes Street Brooklyn 6, N. Y.
Evergreen 7-3715 - 6229 - 6241

SAVE MONEY!
TRY—**THEN** BUY
The Fastomatic
Cloth Separator

ALWAYS CALL
ABE PRENSKY
467 KNICKERBOCKER AVE., B'KLYN 37, N. Y.
HYacinth 1-2333

everybody knows **AINSLIE**
FLAT KNITTING MACHINES

NEW and REBUILT

• BORDER & POCKET MACHINES • NEEDLEFEEDS • BUSHING MACHINES
• TUBING MACHINES • BRAIDERS • WARP KNITTERS
• CIRCULAR KNITTERS • WINDERS • LATCH NEEDLES & SUPPLIES
OVER 50 YEARS OF FAIR DEALING... LET US QUOTE YOU!

AINSLIE KNITTING MACHINE CO.
740-750 Grand St. B'klyn 11, N.Y. EV 7-3497

WANTED

26", 18 cut, 1500 needles, 16 or
18 box Supreme Automatic Striper.

In New York City call—ULster 2-6069
or write—BOX 282

FOR SALE

Latest Type Equipment

2—LHB machines, 4 cut; 1—TJI machine, 6 cut, 12 feed,
12—4 color yarn changers.

Also Complete Plants For Sale

with a wide variety of machinery in the Metropolitan area.

SAUL GRAY

211 Meserole St., Brooklyn 6, N. Y. EVergreen 6-9387

FOR SALE

- 2—Alemania 71", 4 cut mach.
- 1—Jacq. LA, 12 feed, 30", 10 cut
- 2—Jacq. LH6, 6 cut
- 22—Jacq. TJ, 13" - 22" 12 cut
- 2—Jacq. TJI, 30", 14¼ cut, each with 12—4 col. str., now running on Jacq.

A complete line of equipment for Knitting—Winding—Dyeing & Finishing

SPEIZMAN KNITTING MACHINE CORP.

Main Office
508 W. 5th ST., CHARLOTTE, N. C.
Phone ED 4-5546

N. Y. C. Office
350 5th AVE., NEW YORK 1, N. Y.
Phone PE 6-2451

FOR SALE

Four color striping boxes complete for TAI machines.
Priced right. Perfect condition.
CLOVER KNITTING MILLS, INC.
Philadelphia, Pa.

WANTED

Brinton PR19 machines, 30" pattern wheels.
Advise serial numbers.
BOX 284

WANTED

Jacquard LH-6, 9 cut. Serial number over 5500.
State price and number.
BOX 297

FOR SALE

2—Dubied Cap machines, 67", 7 cut
5—Grosser, Queens full automatic machines, 44", 6 cut
All machines in good working condition. Reasonably priced.

FAIRVIEW KNITTING MILLS
1370 DeKalb Ave., Brooklyn 21, N. Y.

WANTED

Several 9 or 10 cut LH Links machines. Advise—
GLASGO LIMITED, INC.
Line & Penn Sts., Lansdale, Penna.
UL 5-6825

FOR SALE

2½ Gauge full automatic flat power plant
1—Grosser 32", 80 needles, 3 bars, 3 carriers
1—Grosser 34", 85 needles, 3 bars, 3 carriers
1—Grosser 36", 90 needles, 3 bars, 3 carriers
1—Grosser 40", 99 needles, 4 bars, 4 carriers
1—Grosser 45", 114 needles, 3 bars, 4 carriers
All these machines are equipped with 2 needle racks, 10 end electric stop motion, Knupen stitch, half cardigan, full cardigan and tubular lock cams working automatically.
1—Leighton circular sleever, 6" diameter, 2½ gauge, 56 needles with automatic tightening attachment.
1—Circular 5" pocket machine, 37 needles, 2½ gauge.
1—Circular border machine, 2¾ needle diameter, 2½ gauge, 20 needles.
1—Sotco Looper and table, 2½ gauge.
Priced for immediate sale and can be seen in operation on our premises.

BOX 280B**Fill in coupon and return TODAY****KNITTED OUTERWEAR TIMES**

386 Park Ave. South, New York 16, N. Y.

Please enter our subscription to the Knitted Outerwear
Times for one year. Check is enclosed. Domestic —
\$10.00 per year; Canada-Foreign — \$15.00 per year.

Name.....

Address.....

CLOSE-OUTS**CLOSE-OUTS WANTED**

CASH PAID for surplus stocks of Sweaters and Bathing Suits.
BERNETTE TEXTILE COMPANY
101 W. 31 St., New York City **BRyant 9-5526-7**

REAL ESTATE**BUILDING FOR SALE**

6500 square feet, one story brick. Excellent for manufacturing. High ceiling, mezzanine. Good labor, near subways.

DAVID JARET CORP.
150 Montague St., Brooklyn, N. Y. **UL 2-5600**

BUSINESS OPPORTUNITIES**CAPITAL WANTED**

\$25,000-\$100,000, to nationally expand the sale of men's and boys' slippers and cardigans. Medium to better priced line, beautiful merchandise beyond competition. Secure investment.

BOX 299**SWEATER
MILL
WANTED****INTERESTED IN
BUYING
PARTNERSHIP**

in progressive mill producing large volume ladies' and children's sweaters. Present management will be retained.

WE HAVE A POWERFUL SELLING FORCE—

Covering all chains, dept. and specialty stores throughout the United States.

SUBSTANTIAL CAPITAL AVAILABLE:

Replies held in strictest confidence.

Write Box 947, Realservice Advg.

110 W. 34 St., N. Y. 1, N. Y.

YARNS WANTED, FOR SALE**NEW YARN OFFERINGS!****AT ATTRACTIVE PRICES**

2,300 lbs.—1/24, H. B. Orion acrylic, lt. oxford, cones
400 lbs.—1/21, H. B. Orion acrylic, brown heather, cones
500 lbs.—1/24, H. B. Orion acrylic, dk. oxford, cones
500 lbs.—1/15, 6 denier, Orion acrylic, black, cones
800 lbs.—2/29, H. B. Orion acrylic, natural, cones
300 lbs.—2/21, relaxed Orion acrylic, natural, cones
400 lbs.—2/8, 6 denier, Turbo Orion acrylic, loden green, cones
750 lbs.—5/4 run, garnetted Orion acrylic, white, cones
750 lbs.—3½ run, 50% lamb's wool, 50% Orion acrylic, med. oxford, cones
3,500 lbs.—2¼ run, 75% lamb's wool, 25% Orion acrylic, camel, cones
3,800 lbs.—2¼ run, 75% lamb's wool, 25% Orion acrylic, old gold, cones
2,700 lbs.—3 run, 100% lamb's wool, camel, cones
1,000 lbs.—3 run, 100% wool, loden green, cones
750 lbs.—3½ run, 50% lamb's wool, 50% Orion acrylic, oxford, cones
1,500 lbs.—3 run, 75% lamb's wool, 25% Orion acrylic, lavat green, cones

SAM SASKEN**CH 4-8733**

1441 Broadway, New York 18, N. Y.

FOR SALE
ELASTIC YARN FOR KNITTING

• All Sizes and Colors



B **EDFORD YARN CO.**
79 Clifton Place
Brooklyn, N. Y.
MAin 2-1340

FOR SALE—CLOSEOUT

150 lbs. — 2/10, skeins, 65% lamb's wool, 20% shetland, 15% mohair
125 lbs. — 200/3, Ban-Lon yarn, natural

RIDGEWOOD YARN CORP.
658 Woodward Ave., Brooklyn 11, N.Y. EV 2-8000

WANTED FOR CASH Worsted • Zephyr • Synthetics Cotton

We always carry a large stock of yarns, dyed on cones for immediate use.

CALL EV 8-8277 686 Flushing Ave. **CENTURY**
BEN BALIF Brooklyn 6, N. Y. **YARN CO.**

WE BUY SURPLUS KNITTING YARN

Machine and Hand Knitting Sizes

WALTER McCOOK & SON, INC.

711 Arch St. Phila. 6, Pa. WALnut 5-8891

HELP WANTED

FOREMAN OR FORELADY WANTED

Experienced in taking charge of complete mill, from sewing to boxing. Excellent opportunity for right party.

BOX 290

TOP FLIGHT
INDUSTRIAL ENGINEER
WANTED

Experience necessary in plant layout, time and motion study, methods engineering, etc. for plant employing over 1,200 people, manufacturing full-fashions and circular knit sweaters and sweater shirts as well as woven sportswear.

Call or write — Mr. S. Greenberg

PURITAN SPORTSWEAR

Altoona, Pa. — WIndsor 4-9454

SUPREME KNITTER-MECHANIC WANTED

on automatic and ROF machines.
Pennsylvania mill.

BOX 250R

DESIGNER WANTED

on ladies' sweaters by large mill selling nationally advertised line direct to retail store trade. This is a newly created position, and an excellent opportunity for a creative person who is willing to pitch in and work hard. Your detailed response will be held in strict confidence.

BOX 295

FOREMAN OF FORELADY WANTED

to take charge of sewing department. One who can instruct and control quality on knitted suits and sweaters. Steady—all year.

BOX 296

KNITTER-MECHANIC WANTED

on LH machines and Philip machines.

BOX 290D

or call UNion 4-1264 (N. J.)

WANTED — CUTTER

Ladies' Novelty Sweaters

Capable of taking full charge.

New Jersey Location.

BOX 286

PATTERNMAKER
SWIM SUITS

Excellent opportunity for patternmaker with background in grading, fitting & some knowledge of production.

Opportunity to join nationally advertised firm with outstanding growth potential.

For appointment call LA 4-7812

CONTRACTORS WANTED, CONTRACT WORK WANTED**CONTRACT WORK WANTED**

Bulkies on 4 cut flat power machines and
4 cut flat hand machines. Good workmanship.

BOX 298**WANTED-CONTRACT KNITTING**

10 cut rib machines, 12"—18".
Plain, patterns, wool, rubber, synthetics.

BOX 291**CONTRACTING WORK WANTED**

on 4 cut Universal machines.
Men's, ladies', children's bulkies.

BOX 290C**CONTRACTOR WANTED**

with 4 cut Universal machines for ladies' bulkies.
Large quantities.

BOX 290B**CONTRACT WORK WANTED**

All types of sweaters. Complete finishing plant.

EMpire 6-4319**WANTED**

Knitting only on trimmings, collars and cuffs, 12 cut, Dubied
DRBA flat. Can do selective transferring and fashioning.

BOX 290G**CONTRACT WORK WANTED**

on Links and Links 7, 8, and 9 gauge machines.
Bootie sets and size sweaters.

BOX 281**COMMISSION KNITTING
OFFERED**

on Philadelphia Jacquard machine with card system,
double butt raceway on dial. 8-11 cut. Samples required,
after which large quantities knitting orders will be placed.

Write **BOX 855 — REALSERVICE ADVTG.**
110 West 34 St., N. Y. 1, N. Y.

CONTRACT WORK WANTED

Nearby New Jersey contractor equipped with 6 and 8 cut circular Links
machines, open for production on ladies' or misses slippers or coats. Brushed
or unbrushed. Bulkies or semi-bulkies. Can also produce a limited amount of
3 gauge circular bulkies. All garments complete — quality workmanship.

BOX 280**TRADE WANTS**

RATES: one insertion—35 cents per word. Words set completely in capitals
— 40 cents per word. Box numbers count as two words. Minimum cost of
advertisement—\$5.50. Minimum cost of Positions Wanted advertisements
— \$5.00. Trade Wants for Monday's paper must be in by preced-
ing Wednesday, 2 P.M. Please enclose payment with your order.

Looping Wanted. 7 point Sotco and
15 P machines. Quality workman-
ship guaranteed. Sanders Looping,
Inc., 270 Irving Avenue, Brooklyn,
N. Y., HYacinth 7-7924

Wanted: Contractors. Circular Links,
for boys' shirts. Complete or knit-
ting only. **Box 290E**

Contract knitting wanted on 4 cut
Universal and Tricoma machines.
Box 290F

For Sale—brand new 4 cut Supreme
bulky. Can be seen in operation.
Box 290H

Contractor seeks knitting only on 4
cut Supreme bulky for sweaters or
trimming. Can be worked 3 or 4
ends on each section. Hensol Knit-
ting Mills, Inc., 62—18th Street,
Brooklyn, N. Y., HYacinth 9-0076

Knitting department supervisor avail-
able. Experienced in all phases of
knitting and mechanical work on all
Jacquards. **Box 290K**

LEASE—SALE. LOFTS—BUILD-
INGS. ALL SIZES—ALL LOCA-
TIONS. MILTON WOLF & CO.,
744 BROAD STREET, NEWARK,
NEW JERSEY. MI. 3-8844

CONTRACT WORK WANTED

on latest model European 18 cut circular rib
Jacquard machines.

Best equipment — best craftsmanship.
Latest styles of designs and patterns.

BOX 293**POSITIONS WANTED****KNITTER-MECHANIC (MACHINIST)**

with references, seeks position. Expert on circular and flat knitting
machines: Jacquard transfers, Interlock, Leighton, Wildman, Staf-
ford, etc. Producing sweaters, suits, cuffs, bulkies, etc. Technical
background — can make and fit any part; no guess work.
34 years experience.

G.P.O. Box 364, New York 1, N. Y.

BOOKKEEPER — OFFICE MANAGER

All phases bookkeeping through general ledger.
Accustomed to responsibility. Desires position with
well established firm. Many years experience.

BOX 290A**EXPERT MECHANIC AVAILABLE**

Flats, PB2s. Supreme and Brinton pattern wheel, Leighton rackers
and pattern wheel, Philadelphia Jacquard TRs, Stafford & Holt.
Capable of designing original designs and fabrics for above machines.

BOX 292**CAN YOU USE TALENT?**

A creative, resourceful talent—8 years experienced in own custom hand
knitting business, now available. Commercial art, mechanical drafting
and technical experience, also. FIT-NKOA student. Interested in posi-
tions leading to designing and/or styling knitted outerwear and fabrics.

BOX 294**ARE YOU INTERESTED?**

I am a responsible, hard working, ambitious and experi-
enced young man, married with family, with knowledge
of yarn sales, skein, Orlon and Ban-Lon piece dyeing.

BOX 290J

DIXIE® YARNS



DIXIE
MERCERIZING
COMPANY
CHATTANOOGA, TENN.
NEW YORK • CHICAGO
LOS ANGELES • MEANE
PROVIDENCE • READING
PHILADELPHIA



Jantzen's
Turkish Bather
for harem allure
in a loop-textured
swim suit,
toweled to match,
and knit mainly
of yarn-dyed
Durene®
Mercerized
Cotton
by Dixie

* Cotton Acrylic Nylon and Rubber

DURENE MERCERIZED • DYED AND BLEACHED • COMBED PEELER SINGLE AND PLY
TURBO AND STAPLE CHEMICAL FIBERS • TUFTING YARNS

WE HAVE INSTALLED

*a battery of brand-new,
specially-designed knit goods*

**NAPPING & SHEARING
EQUIPMENT** —*in addition to which*

we have added

NEW BRUSHING EQUIPMENT

*to provide a complete and diversified service
to the knit goods industry.*

*Please remember . . . we do not have any old
or outmoded equipment which does a 50% job.*

*In order to meet the demands of the industry—
our capacity will be extremely large—but we
urge you to get in on the ground floor—now!*

progress is our greatest asset!

GREAT NAMES IN KNITTED OUTERWEAR PROCESSING

BANNER YARN DYEING CORPORATION
BANNERIZED CORP. OF AMERICA
BANNERLON PROCESSING CORPORATION
BANNER PIECE DYEING CO. INC.

488 Morgan Ave., Brooklyn 22, N. Y. • EVERgreen 8-0100

